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 <211> 590  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 5964

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<210> 5965  
<211> 576  
<212> DNA  
<213> Aspergillus nidulans

<400> 5965

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cccgtgttt aaatctgccg gcggtttaca gaccagtgtg gagcactctc ttcccagctg 240  
gtttaccctg gagtctgtga tggcgaagtc gtccttgact gagttgtcag aatggaatac 300  
cccatcattc caaggcgcca agtcaacat ggtagctact gctgtagtct ggtagcccta 360  
tatcacattg ctatgtcagg gtgaactttt agtcatcaat ctaaagcaaa gtcgctgac 420  
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acaagtgagt caatatcttg ggagaactaa cacaac 576

<210> 5966  
<211> 662  
<212> DNA  
<213> Aspergillus nidulans

<400> 5966

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agaactcatg cgctcggtt cgctggtagt cgagttcgcc gtggaactcg cgggtgctcg 180  
ttgtgatgtt cagtcttagg gattgtagag cgctcaggac tttcctgata ttggacacgg 240  
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gcggtgtgct tgcgaatgca gcaaaggccc gctgcatgac ggcggagcga aagaacatct 360  
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cgtcctagca ggaagaatca gatctgctta gggcctggaa agggcaagtg tgggtacagc 600  
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ga 662

<210> 5967  
<211> 696  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 5967

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gaggtagaca ggccgaagat tataataata taatgatggg tctccgagac gacgtcatgt 180  
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gggactaatt atgctagaag tggtagcatt tgtgtc 696

<210> 5968  
<211> 408  
<212> DNA  
<213> Aspergillus nidulans

<400> 5968

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gagctttacg gggttggaat ggggatcttt gttgggccat acgattcagg ccgtgaggtc 180  
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gcttacgcga ttcggtattg cgaggtagag ctctggtacg tgttttagac gaagcttaat 360  
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<210> 5969

<211> 455

<212> DNA

<213> Aspergillus nidulans

<400> 5969

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ttgttcattg tccgaaggag atcaagggtt acttggcacc cgaccgcatg cgcagtgtag 180  
ctgtgtccat gcaagagcgc atctcgttcc tccgggcttg taaacgcgtt gaagatttcg 240  
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agcgatgtct gggttgacac ctataaatga cgcagaggat ttacggccaa gacggtagag 360  
gcccgtagaa acctcgtcaa agatgaccgg gagaccggac cacgagaggt ccgtctgcgg 420  
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<210> 5970

<211> 503

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 5970

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tataaagctt cttagatagt aaattaatat attaggtcta actatcctag taatttagaa 180

taatttctaatt ttttagatatt ctgataactc ggaaacttat cttagactaa tattcatagt 240  
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 ttctacagtt aagaagttat atctaaagaa atataaagtt tttacttttt aaatactttg 420  
 atgaatcaaa gcagctatat actaatcttg atatattata ctagatatag gagttatggt 480  
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<210> 5971  
 <211> 589  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 5971

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 gtgccccggg gtgggtagga gcgggtcgag tccgtatcgc cgcggacaac agccgcgtcc 180  
 ggatcagatc tatctactcg gcaattcacc cgggtgacttc acggtcgcca aagaagcccc 240  
 aagaagcatc aaacatttcc gatgagatcc atggagcaat tcttagatag caagcactag 300  
 ctcccgccgc gacttcataa aaagcaatca aagataagat cgaagagaat gaaacgcacg 360  
 tagtgatcat tatagcgctt ccttctgac ctagaaaacg tccgaaaaaa cctgctacgg 420  
 aaccaccgag gagaggcaaa aatacgataa gtagatacat aatttaattt cgagtgtgat 480  
 caaaaaccta aaatcagaca attacagagc ggccagtgat tgagtgatag atttctcgcg 540  
 tctggagacg ctcgaccgaa gaaatgagta cttacaagga agattttgt 589

<210> 5972  
 <211> 531  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 5972

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 acggccgctt ccaaggactt cagatgccgc gggggaaagc ttgacggcct taccggcgaa 180

ggcaggggag gagagagcca ttgttgaggc ggccattgag gttgagtagt gcagcacaaa 240  
 gtaaaacggt taagatttgt tgttgtaagc caagaaatgg gtggtttggt attgatgcga 300  
 ttttcgctat atataatata gaaatctaaa tactgtctta tcttgaaata tcaatctctg 360  
 aggttgctat tggctagtca tagatttttt ttgggggtta gattgtttgt ttgcttacgt 420  
 ggtaaatggc tcgcacttcg cagattcgca attgatatgt gtttagata tctaggtgcg 480  
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<210> 5973  
 <211> 587  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 5973

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 aacagacgcg aggggtcttgt tagagttctc cttaggaatg gtgctgaagg gtatgggaag 180  
 gatcgggatg gtaggacagc actatgggag ggggcgtcaa acggccatgg gaatatcatc 240  
 aagctgctgc ttgagaacag gctgaagttg agtcaaagag taatgatggc cgggcactac 300  
 tatcagtggc agaattaaat gggcacgagg ctgtgggtcaa gctgtccctt caggacggtg 360  
 ctgaagttaa ttcagaggat aatagtgggt gcacaccact atcatgggca gcatcaaata 420  
 gatatgagga agcaagcaag ctactccttc agaatgggtgc agaagttgat tcaatagata 480  
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<210> 5974  
 <211> 1098  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 5974

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 ttggtgatcc aggagcagga aacggagatg aatcggagac agagccaaaa ccacctccac 180





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463

<210> 5976  
<211> 522  
<212> DNA  
<213> Aspergillus nidulans

<400> 5976

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ggatgaggat gaagaagtct attccgacga atcggcgtcg ggatcggagc caccacagca 300  
cgagggaagc tctgatgaat ctggctcaga aagcgggcgt gactccttga atgggagtga 360  
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acgacggcga cgtgaaatcc tcctaaaca acatctcggt cg 522

<210> 5977  
<211> 535  
<212> DNA  
<213> Aspergillus nidulans

<400> 5977

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cgcgtcaccg taggagcatc gggagagcta gcacaatcgg gggttgggat cgacggaatg 180  
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actcccgccc cctggtgctt cactaatcaa acacctggag ccactccgtc accaatcgcc 420  
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<210> 5978  
 <211> 378  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 5978

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 cataaacaca cggcctcgca gccccagccc cagccccatt cagggccaaa agcctagact 180  
 gatcagcatc ccactcacia ctcccatgtt ccaaatcatt gatgtgcgtt gtgattgtag 240  
 tagaaatgcc cattccccca atgtctcaga aaactggcgg ccgggggttct tgcccaactg 300  
 taagcgctag gctccgagat aatctcttag acttggtatt cgatctgtat ctgggggttgc 360  
 tgtgagatga gaggagtt 378

<210> 5979  
 <211> 112  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 5979

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<210> 5980  
 <211> 503  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 5980

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 tcgttcctat aactcacgac ggcgagaact gcaacggcag gtacgcgcta tgagtcgtca 180  
 gtacgccatg gaacatgacg attcaccag gggacatagc acaatacaat cgaccttgct 240  
 catcccgccg tcgggtgccgc gttctggacc aactgcacgt ccttcaagcg gtggattgat 300  
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tcctcctccg tgagtgccga agttctcttg tttagatatt cgtctcagtt tcttctaact 420  
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<210> 5981  
 <211> 559  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 5981

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 gagtggatga ggagagtatg ccagtgaatt ggtcaccgtt cttcgtggtg acagtagtac 180  
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 cggtgttcga ttccttcgtg gacgtaggag acgacgtctt ctggggcatg ttgccgtttt 360  
 gctggggaaa ggacgggctg tgggtaatcg gattcgtccc ttgagtccaa gccttctgag 420  
 aattgctgcg cctgaaaaat ggcagttgtc agcggcattg ctcggtatat gaaaataaaa 480  
 gcagggtgac tgtctggata taattatagg aaggacgtat gataatttca acacaagaaa 540  
 tacatgacat atacatatg 559

<210> 5982  
 <211> 104  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 5982

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 ataggtggac ctatcacggt atcaaatacg tatcggtatg cagt 104

<210> 5983  
 <211> 558  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 5983

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 <213> *Aspergillus nidulans*

<400> 5984

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 <213> Aspergillus nidulans

<400> 5985

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 <213> Aspergillus nidulans

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<400> 5987

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<213> Aspergillus nidulans

<400> 5988

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<210> 5989

<211> 579

<212> DNA

<213> Aspergillus nidulans

<400> 5989

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<210> 5990  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 5990

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans  
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<213> Aspergillus nidulans

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<211> 594

<212> DNA

<213> *Aspergillus nidulans*

<400> 5998

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<400> 5999

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 <213> Aspergillus nidulans

<400> 6000

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 <213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

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<210> 6004

<211> 1011

<212> DNA

<213> Aspergillus nidulans

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 gtataacatc gaagtcggga tcttcgcgag attcctcaat gaacatcact aaacaaatca 960  
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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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<212> DNA  
<213> Aspergillus nidulans  
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<213> Aspergillus nidulans  
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<213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 6012  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 6012

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

<400> 6014  
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agcaattgaa ctatcgcat t gagaagagat gcgaatggaa atgaccgcta cgtctacgat 180  
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acccaaacga cctcgtgca 499



<210> 6015  
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 <213> Aspergillus nidulans

<400> 6015

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tgtcaaacat gctctcggcc aattcttggg agaagttgat tgagtcaacc agtccattgg  180
ccaggccctc gcgtgtgatg ttacgcccgt ctcggtggat atagccgtgg ttggcaaggg  240
tgttcatcat cgggcaggga ctgcgggctg cacgaagata ccctggttag catctcgtag  300
ggccgtggtc ccgtgaagac gtaccgtctc catccccagc agcaatccaa gcatgcgggt  360
tctcggcacc gagtttggag ttggaagcat gaacgtgtgg gtgcatccg cccaggttca  420
ggtctagatg gaggggtggcg gagacgacgc cggctagggc aaggagcgac ggtgcagtga  480
gcttcattgt gagtctcgag attgtataat gattgaagtc taagcaggcc aaaagagt   538
  
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<210> 6016  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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ttttatgata aattttcttt taaatttata ataaaaaaaa attatattat ttattataga  180
tagtaggtag ttcaggcagc ttatagttat ataaattatt tttaaagtga gagattattc  240
tctgctagaa tttcaatata taaaatatat tttagaaaga gaaaattata gaatatctta  300
attatactta aataagccag ggaataattc tggatattta taaatttatc acccacaata  360
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<210> 6017  
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 <212> DNA

<213> Aspergillus nidulans

<400> 6017

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cgtcttgccc tatgattttc cggcctacga ggaggcgagc cggaagtttt atcgtgcaat 180  
tctcggcatt gatggcttgg ttcagagcgt tagcattgat gaagcgcttg tggacattac 240  
aactatatgc cttgaggcag gagggtcgga gggcaagggc gtatctgaag gctcgattta 300  
cagagaacaa gctaaggctg acgaggtagc ggaacagtta cgggccgcca taaaaagaga 360  
aacaggctgt gcagtttctg tcggaat 387

<210> 6018

<211> 515

<212> DNA

<213> Aspergillus nidulans

<400> 6018

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tggtggtaac ctcgtcgccg ccgctgcgtg acagcgaaaa taactcgctc cagggcacatca 180  
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tattggcgag tatgtacagg gccggcactg cttgacttcc ctattgatgt gcttttcacg 420  
ccggtgcatg agaatttgat ttcgtggggg tcaattacgt ctccgcgttc ttatgcgccg 480  
ggtccacatg ttgaggctgt taaggacctg tgggt 515

<210> 6019

<211> 485

<212> DNA

<213> Aspergillus nidulans

<400> 6019

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 cctagtgtc tttcaaaaca ctccattccg gcgaatccac cacttccttc atacacactt 360  
 tctcgttcca acagctctcc catcacacgg ccgcagactt ctctgctgga cattctccaa 420  
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 cggagtctgt tggaggggtc ggtgaagcga gaaggctggc agaggttagg agggcggctg 300  
 cggaagaatg tatggctcta ttctcctgcc gtatcccctg actgaaacat cttctattgg 360  
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 gtcagagttc agccctacaa gaccagctat ttccttcgcg catgtcgacc acggcattcc 480  
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 cggtgaccct gacgcattgg agagtctggc ttgggatccg ggatacacgc ccaacgggat 600  
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 caagactgtc gtgacgctac agtggcagca tggtgctttt gatgcgctgg gcatgcagta 720  
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<210> 6021  
 <211> 858  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6021

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gc agctggaa caagtatacc cagtaagccc agagattcta acagtacgtg ttcaacttgc 180
gg tcaagttt gtctaacttc tgaaagaaca gacgggtctca ctgacgaaag tgctcgctta 240
aa caaactat agtaaataga gtcattctcc tcccagacat tggtcgcctc cctagctact 300
gg ctgtgtga gtcggtgtta gcagtggaat aggcttgatg cccctctggc caattagggc 360
tt tttttccat tgctgagtga gaccagcgag aacctcaacg tcgtagagaa acgcttgcca 420
cg actactga aatagcgcgc tatagtgcc cctgtgggct ttacagggcg attggcaatt 480
gg caagcaac gttggctggg tgcagttcca ctaaacttac cactgagtgg ctgagagacg 540
aa gattcatg gcattactgg ctgagaaggc ctgcaaatca gtcgtccgct ctcgtgcctc 600
aa gatcctct cttgtcgagc aggtagactg ctccatccgt attcgcacct acaaccgctg 660
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ag tctgtctcg aaaaggaatc tgcacgagg aggaactggc taatctggcc aaggcagcat 780
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<210> 6022  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6022

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ga aggtccgt agaagaactt taagcacaca tatcaccctt tactgtgtgg tgaatacctc 180
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tcgtgtaacg	cccgagacaa	acaatatgaa	gaacagacca	gatagagatc	caacaatgcc	300
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ctggactgat	tgttgtcggg	agcggagttc	gagacagaca	atagcagccc	cgtttgccag	420
aacaatatgt	aacaacgcct	caatcatcca	acagtcgcag	tcatgacgca	gtcagtataa	480
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 <213> Aspergillus nidulans

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tgtttctatt	ccgtagatac	ggcgtcgtga
		120
taaaggtaaa	gattatctat	cggattctgc
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		215

<210> 6024  
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 <212> DNA  
 <213> Aspergillus nidulans

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cttacggccg	tgctcgcttt	acggggcttc
		120
gcggtgttcg	ccttcgggtct	gccggctggc
ttcttgacgc	cagcattggg	tttcttcgtc
		180
ttcggcttct	cggccttctc	ggccttgctc
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		240
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atggcgctcag	caacacagtc	ctacaattca
		300
cgacggcgat	atgattacct	ttggagcggg
cttagcagga	gcctgcttct	tggcaagctt
		360
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tagtctatgt	tcgataacaa	attcaacgca
		420
cgtatgctgg	cgtaaaaagg	gcttatttctg
agtaactcgg	attgagatcg	ttgataaagt
		480
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gcttaccttt	gggctggatg	aaatcgccct
		540

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6025

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aggttactga ggcattaacc aggcattgccc gaacatggcc ctgaacattg tggatgctgg 600  
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 gggcgatggg gagagaagtg ggtctggtgg aattcaggcc gatacgggct aaagatgccg 780  
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<210> 6026  
 <211> 829  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6026

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 ggagaacaaa taccatgatt agatttttac caccatcctc aaggcccat tcttttgcta 600  
 tgtgcaagat acctgccgga tccggcttgg gcagcaaccc aggagtctct ctggtgataa 660  
 taggcacgaa gacatgctct gggaggtgat tctgaagcag gtttgtgacg ggcgccctga 720  
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<210> 6027  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6027

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ttgcctgact tctcttcgat ttctgaaggt agagactttt atacttcaca taagatgaca 540  
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<210> 6028

<211> 621

<212> DNA

<213> Aspergillus nidulans

<400> 6028

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tggtaaagga cacggtaaca gacctggtag ataaggagga ggaaatgagt taggaatagt 180  
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caagaagcgc cattccgtag gtttcaagat caacagactc ggatatttgg tcctccgaga 540  
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<210> 6029  
 <211> 829  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6029

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6030

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gagatcaggc tctcggcctg ggggatctct catatcacgg aagtcgcgag gctgctgagg 480  
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<210> 6031  
<211> 516  
<212> DNA  
<213> Aspergillus nidulans

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gatacgaatt aatgagttgg tccagaacgg aacaatcagc agaaacagca gcagcggacg 180  
caccttgtgt ggcaacttcg ccagaaacca ggcaaacggg tagcccagca ccaggcaggc 240  
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<210> 6032  
<211> 563  
<212> DNA  
<213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <211> 481  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 6035  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6035

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<210> 6036  
 <211> 944  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6036

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 agaataactg cccaccagct tactgtagat ggtgattgat cctccgtgat tgcaggcgaa 420  
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 cgcgtgtcga gaatccaaat cgccccgtcg tgaaaagtaa tggtcggcgc aaactttcgg 900  
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<210> 6037  
 <211> 574  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6037

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 gcggctactg gttctccaat gtcgtatgag aaag 574

<210> 6038  
 <211> 613  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6038

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<210> 6039  
 <211> 760  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6039

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<210> 6040  
<211> 757  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6040

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gcagcaacgc cagcagcagg ctgctcctaa tctgtcttct aatccaacta attaccgcgc 180  
tcatcgacca tcaagcgctc tcgataatca tccccgggcc ctacggagaa cctcgcgata 240  
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tggaagtaat ggccgggagt caaatggagc ttctagggtt gccaaggcc caattcccgt 660  
caaccgcac ccggctagcg gcgtgcgtac gcgancggac ataatgcggc aacgtcggga 720  
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<210> 6041  
<211> 892  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6041

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6042

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<211> 452  
<212> DNA  
<213> Aspergillus nidulans

<400> 6043

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<212> DNA  
<213> Aspergillus nidulans

<400> 6044

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560

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<211> 511  
<212> DNA  
<213> Aspergillus nidulans

<400> 6045

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<210> 6046  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6046

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<210> 6047  
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 <213> Aspergillus nidulans

<400> 6047

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 <213> Aspergillus nidulans

<400> 6048

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aatgattccg tccgtccgga tccctggcct ggcctagga gggttattca gcataaaggg 600  
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<210> 6049  
<211> 522  
<212> DNA  
<213> Aspergillus nidulans

<400> 6049

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<211> 574  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 6051  
<211> 765  
<212> DNA  
<213> Aspergillus nidulans

<400> 6051

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<210> 6052  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6052

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 6055

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<210> 6056  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6056

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 <212> DNA  
 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
 <400> 6057

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<210> 6058  
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 <213> *Aspergillus nidulans*  
  
 <400> 6058

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gggtcctcgc caaaccacac aaaaatcacc ttaccgtctt ttgcatctc atcccaatca 480  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6059

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<210> 6060  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6060

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<212> DNA  
<213> Aspergillus nidulans

<400> 6061

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 <213> *Aspergillus nidulans*

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<210> 6063

<211> 369  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6063

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 <211> 400  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <213> Aspergillus nidulans

<400> 6065

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 6068

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 <213> Aspergillus nidulans

<400> 6069

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<210> 6070  
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 <213> Aspergillus nidulans

<400> 6070

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<210> 6071

<211> 601

<212> DNA

<213> *Aspergillus nidulans*

<400> 6071

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601

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 <213> Aspergillus nidulans

<400> 6072

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<400> 6073

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ataactcggg ccgatgcgct ggaagggcag actatcctaa catgctacag tgtacagctg 240  
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 <213> Aspergillus nidulans

<400> 6076

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6077

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547

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations.  
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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

<400> 6083

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<213> Aspergillus nidulans

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<210> 6085

<211> 505

<212> DNA

<213> Aspergillus nidulans

<400> 6085

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<213> *Aspergillus nidulans*

<400> 6086

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<213> *Aspergillus nidulans*

<400> 6087

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 <213> *Aspergillus nidulans*

<400> 6093

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gaagtacgga tcgatccaca cgaagattaa gtttctttcg ccgcattata tattactgct 420
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ttcacactgt cgg 493
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<210> 6094  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6094

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gcagttgata gagagagcag cgtgtttcat agtctcaata tcctcccaac tttccttccg 240
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gcattaacct ttgagccagg tattgtgcca ttgaatacca tggttcaata tgcaatatag 600
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682

<210> 6095  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6095

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<210> 6096  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6096

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gatatactaa taatatttct aatcaaata gtagaaataa taaggcaaata ataaagaaag 240  
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 ttgctaatac tggattataa aataaaaaaa gttggtggtg gcatgtaaat ttttggttaa 420  
 ttttttaatt acccacccta tacccaagga taaattatct tacttcacat ttaatttatt 480  
 tgtaaattaa caagattttg tttagctcct ttataataaa agccttatta aggaataatc 540  
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 aattaggccc atataaccgt cctcctgtcc taaactgtgg gtaccggcct ttttgcgggt 660  
 accaaattaa ttttgaaggt taccaaagcg gccgtccgtt ttaatttttt tcggaaatta 720  
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<210> 6097  
 <211> 528  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6097

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 aagggcagca cgatgcaccg cgtggcgcca agcctttggt acctaggaga gggcgaagat 180  
 taaaagata tatttgactt tgtggacttt ggtcaagaag caaacctctt cttgatggct 240  
 gtcggatcga aaagggagcc gacccaaaata gagcttgccg agatgatagt cagagaacca 300  
 gctcgaatat cttcaacctt tcaaagcgga gaaaagtacc tcaagctctt acggacgctt 360  
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<210> 6098  
 <211> 799  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6098

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 gcgcagtgcc ttgtctttga atgctgcggg ccagtagcgg gcgaggatct gcgagaaggc 300  
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 gagcttgacc aagaagaaat tgttcacacc aggatggccg acgtcgtggc cgatcgtgcg 420  
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 agcgttggcg ccaatcgatc catagctggg cagagcgccg atatgtagca aaaagcagaa 540  
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 cagctcgggt atcgtgaatg catgctgaag catcgcatgg gcggcaaaaa ccagttcatc 720  
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<210> 6099  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6099

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 gagcgcaacc atttattaat acgaagcaaa cgactaccgc ctctggcggc aatacaataa 180  
 cgccatctga taatgcgaca gaagaacttc ctgccttgtc gccggatcag cagcgacgtc 240  
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 gtgacgcgga agagtcgctt ctgccttcag ctatcgagtc caacatcctt gatctctttg 540  
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tcatgcctga gttatcggat cgtagcattg ctgagcttat ggacgacaga gcagtgttca 660  
catctgctgt ttgagcttct cactaacgtg cttcatacac tttcaaagct ttgtatatag 720  
ttagtaacgc tatcgtctta tgatccataa tgataatgat tgaatt 766

<210> 6100  
<211> 512  
<212> DNA  
<213> Aspergillus nidulans

<400> 6100

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ctcgaccacg tctccgccaa cgaccggcag ccgcgcagag cgtcgaggat agagaggagc 180  
tcgcgggtcg tgaatccgcc gggctctgcg gttccggtcg ctaccgctag aatcagcgga 240  
caatggttct ccaccaaggg gtgaaatagg tacctggtgc aaaagcagga tccaaaacat 300  
caatgtccac cgagatgtag accttgctgt taccaacgcg ggtcttgatc tcctccacta 360  
caccggctac accgagacga tctagatccc gggctttgat aatcgagaag ccgcagcgga 420  
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agttgtcgcg gatgagtcct attcttgtga gt 512

<210> 6101  
<211> 663  
<212> DNA  
<213> Aspergillus nidulans

<400> 6101

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ccgatacggg gtcggatctc gacgacgacg cgacgtcacc aggaagtaaa gaaaaccctt 240  
tcctcgattt cgagctccta gaccgcattc cacatccacc tgccatgctc acgcagttgc 300  
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gaggggacgc agatacagct gagagaaaga caaactcggg gtggcctatt gcgacgggtc 480  
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 gagctttgca ggaggagggg ggttgggtgg atgaggcaga aggaaattgg aaagagattg 600  
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 gtc 663

<210> 6102  
 <211> 718  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6102  
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<210> 6103  
 <211> 535  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6103

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tagtcgactc	agcgcaactgc	acagacgagc	gattgaccca	gggcaaacaa	atcacggttg	480
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<210> 6104  
 <211> 553  
 <212> DNA  
 <213> Aspergillus nidulans

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gcgggagccg	agaccagccg	gcgacgaggg agcccggccg gccaaagccga cgaaccaggc 180
cccaccagaa	cgacagccac	cacagccaac gccgcaccgc gccccacgac cagagagccc 240
gccgagccag	cccaccga	acccgccgac caccacccaa agaaagagca gggcacgccc 300
caaacgccgg	accaaggcac	caggcaccgg cccccgcgac acaaaacccc aacacaacgc 360
gcgacacacc	caagccaccg	acacgccagc cccaccgacg caccgcccac ggaccgaaac 420
ccacacgcgc	agaccaacac	agaaccaacc gacgcacccc agacgaaacc accaaccaac 480
aacacgccag	cgagacagac	ccccacacca agccgagcca cacaacaacc cgaccagcac 540
caccacccca	cac	553

<210> 6105  
 <211> 508  
 <212> DNA  
 <213> Aspergillus nidulans

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 gtagcggact ttgggcctat cccaaaccca agggcgaagc gcgcaataaa taaagaccac 180  
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<210> 6106  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6106

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 aaaagtccgc aattgcattt ttttttcagc ctttcctatg tactttctgc aacttctatc 300  
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<210> 6107  
 <211> 530  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6107

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cgagtcattg tgaagtctgg cagtaggtct tgctgggtga cagcgacagc gacgagcggc 420  
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<210> 6108  
<211> 481  
<212> DNA  
<213> Aspergillus nidulans

<400> 6108  
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taatgcccac gacaacacgt catccacacg cgcccaaatt tgagtacata ttggagacct 180  
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gcgtccacga ggagcattaa cggcaaaggt agaagaataa gtatcgcgag aaagaagaac 360  
gcaggacgaa tctccccata atgatctgtg ataaatccaa caattgccgg tccaaataca 420  
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<210> 6109  
<211> 548  
<212> DNA  
<213> Aspergillus nidulans

<400> 6109  
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ccaagtccat gaattcgaag ccaatgtcgt atcgggccag aaggatctgc atagctgact 180  
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<210> 6110  
<211> 504  
<212> DNA  
<213> Aspergillus nidulans

<400> 6110  
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accacgtcca atctggaatc atcacacggg gaaccgggta acacgggacc cggcatccat 180  
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<210> 6111  
<211> 740  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6111

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 cgtttcaagt gggatagccg ncgcaacctg tttcaaagcc tgttccatat attgttcgag 600  
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 gtattaataa ccggttgaaa 740

<210> 6112  
 <211> 533  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6112

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 tcttaagctt tgaaggcttt attatttact tgaatatcta gttatatatt aattattttc 240  
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 agaatttatt tttaatctag cttatttgat agaaactaca agcttatcta gatttctaga 360  
 ttaaattagt aaaaactaat tacttattaa gctactagaa aggacttgat cttaatctta 420  
 attaatttta ttattactt tatagaaaaa gataaaatta ttattaatag ttctaaaact 480  
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<210> 6113  
 <211> 876  
 <212> DNA

<213> Aspergillus nidulans

<400> 6113

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gagcgcgcaa gcttcacaac tagcatgggt ggttttggtg tcaactgtctt ctctggacct 180  
ctcctggctc caacaattgg cggttttata gtcattggagg agcaccttgg ttggcggttg 240  
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aggaactggt ccatccacgc agcacatgaa gaaattgaat taaatttcca ctcaatcttt 420  
caggattact tcgccatacc gctcaagctg ctgcgctcg accctatcat cctgtgcata 480  
tgtgtctttg gtgccttcgt gtacggtctg ctctacctt caatcacgac atatccaatt 540  
atcttccaac agatccacgg catgaatccc ggcgttggcg gtctcccgtt cgtagcagtc 600  
attgtgggcc aagtgttcgc cgggatcgtg atgtacggca gacaacgttc gcttagccgc 660  
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ggttctgcgg cgttctcgac tgggtctctt tggctcggct ggacggggta ccgaagtgat 780  
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<210> 6114

<211> 665

<212> DNA

<213> Aspergillus nidulans

<400> 6114

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tctggccacg ctgggagacc ggagaagggg aagccgccgg aatatgtgag gtgagggacg 180  
acatagaact ttgggtctga agctgcgacg cggccatggg acggtgctgt tcttcaagct 240  
gaccgcgacg ctgcgcttc tcgcgttcaa tgcgtccgcg ttcttgagga ggaagcatct 300  
ccttatactc aacctcagc ttgcggccct gcaattcaaa gtggctgaga acctcgatca 360

cggtcgcagt ttccctccgcc gatgtgaaat ttgcaaacgc aagtcgcgcg aaaacaccat 420  
 tgacgaaatg gtagttgaat gcatacggca ggtggagggt taactcggtc atcagctgaa 480  
 caagctgctc cttcttcaca gcaaagggga tgctcttgat cacgaccgcg gtgggaatca 540  
 gctcgtcatc agcctctgag ggacctgctg ctgcgatgag ccttggaggg agctgaccg 600  
 agttggagaa aggctgggaa tcctggccgc tgatctacca tgtatgacgg gagtaggggg 660  
 ctaga 665

<210> 6115  
 <211> 978  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6115

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 cgccaatcat ttgctgcggg cgcttagtta cagcctcggt ctaaagagca ccgcatgcaa 180  
 tgatttgacg agaagcacgc tctctctcac aggcagggt gaatggccag aaaatggttg 240  
 ttgggctcct tgcaacagag gtcagattat acgggttcta gccaatttt atgctctttc 300  
 aatggcaatc caaccatatt ataagcccc acccccaaaa accgagtctg gtcaaatatc 360  
 atcgtggaac gaataagtgg atgattagat atactctacc tcggctagat cgagtacgtg 420  
 aatgtagtaa gtcaccccg ttttcgtggg tgtacatggc catgaaagcc gttctgagtc 480  
 tcgcatgaaa tagggcagta tattagcata gctaggcgca tacttcggcc aatacaccat 540  
 ctggagagtc ataatcctgt tcaggaatac tagacaaaga tttgttggtc attccatccc 600  
 ttcgcgccaa agacgactaa aggcccgta cctctaggta gtgcagcctt gcatactctc 660  
 ggctcatgga acctcttttg aataactcac ttgactgtcc actcacaatg atcaaaacgt 720  
 ctaccattgc tctacctga cacaattcgt gctgggttct gcccaagccg gctgcggtac 780  
 gtaaattctc gctactctg ttattgttct aacgctaaaa gtcagactct ccagaaatg 840  
 ttagtatctc tagttactct gcacctcca ctacacagca tccatctggt acgaagatta 900  
 tataattaag gctatggtag ggcatggaac aacacgtgac tgtgaggcag aagtgcccg 960  
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<210> 6116  
 <211> 795  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6116

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attactgggg atatcagtac gatccagcag gggacaagcg agaaggtggg aattgtactt  180
aacagcattg cgttctttgt gacgagttat gtggtcgcgt ttatcaagga tgctcggttg  240
gccggaatgc ttgtctccct cgcgctgcg tacctgatca tgtcgttggc cggaggggat  300
tttgtgcgga agtactttgg gcgggctcta gagtgcattg cggctgcgtc ggccgttgct  360
ctggaggcgt tcagcaatac gatgctcgtg catgcgtttt cggcgggtgg gaggcttgaa  420
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cgccgttcct gcagagcttt gatgcggcac gcgtggcgtt taaaaagttg gagaaggata  720
tcgagaggcc gagtccgatt gatggaaccg ctgattctgg ccttgttccg gcagcagcaa  780
agatagagtc ggata                                         795

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<210> 6117  
 <211> 565  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6117

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- acaaagacgt tgtccctgat gtacgcttat acctcatatg cacacatatg gcttactaac  180
aattcagttc aaaaaccttc caaaagacca attggcgccc ggtgttgaca acgcgcaggt  240
cttcacctca gtctgcatca aactgcggt atatctaccc tggctagtcg gccaatgccg  300

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taagaacggc gcagtgttca agcgggcagt gttcaagcat gtctcagacg cagcgaatgc 360  
tcaccattcc gggcaacccg ccgatattgt cgtgaactgt accggcctag catctaaaaa 420  
gcttggcggg gtccgcgacg acaagctcta cccaggctgt ggacagatcg tcattgtccg 480  
caacgatcct ggtaaaatgg tttccatgtc aagcacttat gacggtgagg atgaacttat 540  
gtacatgatg accccgtgca gctgg 565

<210> 6118  
<211> 200  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6118

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ccaaccacan aatgacattt aaaaccgaca tgtagtcctc atagcttcag acctgctagt 120  
cattagagta aatggtctca ccaatttggt tacattccct tttcatacat tttgtctttg 180  
ctttccctct gcaagcattt 200

<210> 6119  
<211> 550  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6119

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gcagtcgtca ctgaagcgat tgagcgacaa acgaccgagt ggcgtaagag catcggcgac 120  
gcttgggaaa gctctggtgt gcaggagggt tcggacgcac tacggaaagc cctcagcagc 180  
gtcaaggccg tcgaagtcac cgtcacactc ctcgaagcct tcagcgtcat cagccaagtc 240  
gtaccgtggg gctacgtgc gacgattcct gccatcgatg ccattcacac ccccgcaatt 300  
ccagtcaagg ttccagatgt cttcatctta gtcgacggct tattttgggc accagtctcc 360  
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cttcagggtg cgcggtcgaa caaactggc attcagaccc gccgacgcag cagtatcggc 480  
aactctacac tgacaacctt tgacctctca gtttcaacat cgctaaagct atcatctcgt 540  
aacttgttta 550

<210> 6120  
 <211> 502  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6120

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 agagttaccg cttgggtgtg gttgactgtg agatcgcgct tgtagagatg agagtgggac 180  
 tctgcgcgca tgcctcggtc ggtaaggagg gcatagtagg gtgccatcg tatgatattg 240  
 cttggcctaa cttttcctgc tgaaggctcc caactcaaat gatgttataa agacattcaa 300  
 agagtttttg ggcagggttta ttgctaaata aattggcgcc tagtctacgc gtctgctgat 360  
 gattctttgc ctggaaagggt ttagcgtgtg gctgggatat gtgtctagcg agctattttg 420  
 ggatagcggg gtgtggctgg ggcgggctga atttcaaccc aatcagaagg tgggtcgatc 480  
 tatacagggc tgacgctaata gt 502

<210> 6121  
 <211> 1377  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6121

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 acttcggtgg gtcagcagcc catgctgggg gcacactcg agagcagtat gttttcatcc 180  
 tccatggcaa caagcggaga ttctcctaata cttttcaacc tacctttcgc gaatagtgcc 240  
 ctacgaactc accatacccc agcctcaacc gataccttta ccgactccac tcgacgggct 300  
 ttattagcca gcatggcgca gcccgcatgt ttcagtcacc gcaaatactc tcaacctgca 360  
 accggaatga ttcaatgtcg cgatctctac tcccgctctt cttccagccc cacctccacc 420  
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aacaatttac gcaccccgag cggccacctt aatctcagct ccaccggtgt tgttggtggt 600  
gggggttgct tgatcttgct catggcagca attggagcat tatacgaact tgacacagcc 660  
gcctcaaagg atctctttga agcctcgaag aagatgatcc agctttatct cgaggaacgt 720  
cgtaaggctg acatgtcaac cgcgggtttct cggtcctcca agccgggtga taattccgtt 780  
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agaaagagcc tgctggttga atatgcggga ggaagacctt tgcatttgcc gcctgtccta 1080  
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aaagccactt ttcgttatat tccaatttgt ttactagcgc gtgggggtgc gacggtgcta 1260  
gcctatcttc ttttattgta tcggttagtg aggatttctc attctggttc actcgcaatg 1320  
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<210> 6122  
<211> 497  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6122

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acgcaggagc cgcattgagct gctgggcgtg ctggaaccgg gcacgaaccc ggacgctgcc 180  
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gggaacatcc tctaccccg tgcaggattc gtgtgtctcg ccattgaggc aatcaagatg 300  
cagtctgcca tgagcgggac gaatgatgtg accggtttca ggctgcgcga tgtcgagatc 360  
catcaggcgc tcgtgattgc ggacagtgc gacggcgtcg aagtgcagac gaccctccgg 420  
tccgtagagg caaggtcatc ggcgccagag cgtggaacac gtttgagatc tggtcggtca 480  
gcgcagacag cgagtgg 497

<210> 6123  
 <211> 445  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6123

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aatcgagga  taccgactgc ttgaaccttg aacgctacca ctgagtcaac acgctgttga  180
aggttttaga aaagcaggat gtaggaatta acatagggcc tctaaaaggc cccccggggg  240
at ttgtgacac acccaaggtg ggtaccgcct tttttttggc acgaaaggga ttttgaaatg  300
tttactctaa tagcgctggg gacgcttaac ctaaagccct tttgaaggca ttgttaaaaa  360
ataccaatg  ttccaaaatt aatgctatta aacctaacag ggtatgcctt ttggggcctt  420
ccccgatacc ccttttaagg actgc                                     445

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<210> 6124  
 <211> 431  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6124

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ctgcctgcgg ccttatgtat ctctaacgcc tgcttcagct cagaaagaat atccgagaaa  180
tgtctcgtct tgacaccatt gggagtggag cgagtgttcc cgtgcatcgg gtcgcattgc  240
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atattggcag caccgtagcg ggaggatgag ggtgactttg ccaatttcgc gggttggatt  360
gacagtatcg aggaggtga ctagctcctg gggggtcatg gaggggcaa ttttgatgcc  420
catgggggtt g                                                     431

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<210> 6125  
 <211> 724  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6125

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aagacgggta tctagggcta gagaagacag gaaagcgagg agcaggaaca gaagcaaggc 180  
cgcaaagccg cccgcctgaa tggaccgtgc tttgcaactt tgggaaatag cggcggtcac 240  
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gatgcaggac tgagagggga cccggctgga acagtgggtgc atagtgtgcg ctcgtttcag 360  
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gtgagtctgg tggagtataa atcagagact ctggaaccaa agagatcggt ggctgctcgc 480  
aacgtagatt gatcgctctt tctcctccg tttttgagag ccgccccatca tagatatgta 540  
gactcaaggt ggtcgctaga gtcaacggta cggagtagtc ggtctcctga gacaaagcaa 600  
aactgacca aggatatcgt tgttgagaaa caactttgag cgtctcaaga tagacttcat 660  
tcacgacatg ccctacagcc aggtaagccc tttgcggatg aatccacgac aacattgcgc 720  
tttg 724

<210> 6126

<211> 524

<212> DNA

<213> *Aspergillus nidulans*

<400> 6126

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agtgggcacg agcaagggtg agagctcgcc atcatcgga gctccaatag cgccaagcat 180  
tgtctgcaaa gtgcaatcga ggagtgcagg gtgcagcaga aaacggcatg gcttaccatc 240  
aggaaggacg tcttgtatct caccatggga agcgtccttc tgccgataca acgagcggat 300  
gccgcggaag acgccgctat atccgtatcc tactttggcc aaaaatgcat acagctcatc 360  
gacatcaacg gactcatac cagcacttcc tgaccacta gactgtgcca aaaggctcggg 420  
gttcggcgct ccccaggaaa taatcatttg cccggacgca cgaagttgga acgcgtcccc 480  
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<210> 6127  
 <211> 1013  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6127

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ttggttgtct tggcccagtg ctggcgctcg ttgcgagaaa ggggctttgg ttccttaggg 180
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taccctttac tgcattctag aggacgtgct ggccgtgata tcgaggatcc cgctcgtttg 660
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<210> 6128  
 <211> 1046  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6128

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gcacgaagcg gagcgaaggc cgttacttgg gacacagagg cacagacggt cgcgttcgta 180  
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 gactgggatac atattcctgc caaaagcttt ccgcaatgga gggatcctgt tctcgtcggg 300  
 cgctctggtg acggtcgctt tgatctcgac tctgtgcttt cacctgcttc tcgagtgccg 360  
 gagacggtat ggcgaggagg atggcgatct tttctagcca ttcgcccga tccaaacacc 420  
 cgggtattgg accttgagca ttaagtatcc caccatattc caaaaatggg gtttagcatt 480  
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 gtcttaacac agtagatttt ctctaccca gatcgcccat cacgtgatgc gcgatcgctc 600  
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 gccatccgcc aatggcatca cggataacta ccgacgccac tatgattgat ctattgtctt 720  
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 actttatctt ctatcggttg tacctgatct tgcctatat gagaatctcc ccacctatat 960  
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 gtcgccctcc atgtgcatca gctctt 1046

<210> 6129  
 <211> 422  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6129  
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 ctgacacagg aaatggatgc aaccttgatc tcacttgaga gtcgagactg gcatactctgc 180  
 ggatcattgc cgtaaccgac tgggattcgt ggccggcttg gggatcttcg agctacggag 240  
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 acggcagcag cgtccagaga gcattatctg ccatggcata cggaaatact atgaaaccga 360  
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422

<210> 6130  
<211> 241  
<212> DNA  
<213> Aspergillus nidulans

<400> 6130

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gcttcgagtg gcaagacaga ggatgtcgag aagtatgtga aggagaaggt tggacaggca 180  
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c

241

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<212> DNA  
<213> Aspergillus nidulans

<400> 6131

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ccggcgctt agcctggatc tagaggctgc tggaggctgc ggcagcctct agcagcctct 180  
tattcaccag gagctagctg gattgcgggc cagagctaga ctcataatag cagtgccaaag 240  
cctcaaggcg ctcttatgca gtcacagtgt ctacttcgc cggccgaatt ggtccctgcg 300  
gctcaaccgc gcgagtaaga cttcactata ggctcttgca gacctatgct aggaccacat 360  
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<210> 6132  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6132

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ctgccctgcc aacagacggg cccatagcgg cgaacgatat cttcagtact tatgtcgaac 180  
tctcccaacc cgccactcgc aaagtaagtt agcaccgttg tctgctcaaa caccaacaga 240  
taaccaacac tttttttagg acttgaggat catggccgat gcgacgacgg acccgacgt 300  
acagaagatc ctccgaacct acgccaacga aacctacaca gccgaaatcc tcaccaagag 360  
catttcagtc cttgacatcc tcgaacaaca tcccgcaatt gacctcccat tgggaacatt 420  
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atagcccagt ctaacagcga gtcaaaacag ttccatct 518

<210> 6133  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6133  
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agaaccagtt tcgcgccctc gatgaagacg aagtcgaatt tctcgattct ataattggagt 180  
ctactcgagc tcacgaggcc actgtgaaga aggagactgc cgaacaactg gagcagttcc 240  
ggcggcaacg agaggaggcg gagaaggcct acctaaaaga cacatcgcca gaaatccctc 300  
cagctgccga agcagaagat tggaagattg cgtcgcgcaa gaaacggcgc gagaaaagcg 360  
gtgcgacact tattccaggt cgaaaacgaa agtcgatggg cgacgttact accgatcctc 420  
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<210> 6134  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6134

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gactctgtgt tttcttaagg tgtttatgct aacacttcta ccgatgccta tacaatatcc 180  
attcacgaaa gaagccatga ttgaaagcc ccgccatttc tcttcataacc aataagcaac 240  
atctagccag attatccgat cttgctgaac ccaacgagac aagaatataa ctacactccc 300  
acgaactggt acagtacctt ccgtcacgga gctcctacat tctcagcagt aataacttaac 360  
ccatcatttt atcatagaaa catcctagct accagatata gctgaggctc agctaattcg 420  
agtcaaccac gcattattct taccagccta ccacgcgcg attcgaccta acaccaagat 480  
tcacctaag gcgaacttaa agtgctcgtc caactcatta gactacgaga ccaaccgtgc 540  
caaacggcct aaactatccc agttaaccac ccgccctgcg cagagctgtt atcgggccta 600  
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caaccgagtg catgcgcgcg gttcttatct ctgtcgatat tggcaatgcg tcggcgggcg 720  
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ggaatgaggg ggnagagtcc nagtgggact aattccagtt ttcgtaggaa ttncctttga 900  
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gaaacaagag aaaaaaatc aaaagactgg ccca 994

<210> 6135  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 6135

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gacaagatcc cctaattccg ccgcatgtac ggtgctctgt gattcggaag aaaagaagcc 180  
aaagcgagtc ggctcattct cattcttcag cttgtccagc aactccttct cgtttgcttg 240  
gttgaagatt ttgtcattga acttggacgg cgttgagtca tcaaaggaaa cctcggcgct 300  
tgaggagtgc ttctcatcca cccccggtag cgatttcggt gcttgggcca aggtcgcgga 360  
aagcccgcga gtatctgtcc tgcgaactca gactatgttt gcgctgattg ctggaaggct 420  
ttgtcttctg attcaaagct acgaattcct ccaattcctc gtagtcgac actggaattc 480

ttccaggttc ttcgaagtgc ggcacgcacg tatectctgg agaateccagg tcacctgggt 540  
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gctgaagaat ggcctccaaa tctggggggc catggctctc caaagtattt gcgcgctctc 660  
ggcgacgagg atctgcaaag gcgtcgacgg aatttggcgg cgacgaggat cgagccaaaa 720  
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ggcgccgtag t 791

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<212> DNA  
<213> Aspergillus nidulans

<400> 6136  
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tatcatgata tatgagattc aaaaacaacg ccaatgggat gtgagtcagg cccaagtcca 180  
gaatccctag tgcaacgcaa cgcaatgcaa gtaactaaac aatacaacga tataatcagc 240  
aaatattgat gtagataaga tgtgaacaga gagagaaaag gagagtgggg aagagggggc 300  
tcataggtct attcagctaa actttccctc aacaaccctt catcgatccg ctcagcatgt 360  
atagagatag gcgggggagg tggaggacgg agaccataa tcggaccctt ttggttaaca 420  
cccggatgac ggaacccgag tggcggtcgt ttctatggct gagg 464

<210> 6137  
<211> 518  
<212> DNA  
<213> Aspergillus nidulans

<400> 6137  
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ggtaagaatc ttgccagaat tccccagata cagtgtttgt ttccgactcc catgtgtctca 180  
actcctcacg cactgtctca caaaccaaca aggtcgactc caccgagcac ggagtactca 240  
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cgacccccaca agaaggacgg agcgggacgtt ttgtgaactt cttccaagcc aactaactcc 360  
catgcagcat gcaggaaccg gttagcctcg tgtctcgatc tggttatagc agggcttggc 420  
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<210> 6138  
<211> 658  
<212> DNA  
<213> Aspergillus nidulans

<400> 6138

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catccgcttt cttacaacag caccaccgct tctttttgcg cacattgcca acacctcaat 180  
tctttaccaa gccttagtga cctattatc gaccggatga acgtctgacc acgaaacgct 240  
tgtcaagctc tgcccctacc cgtcgaatct cgaccccagc ggctcaactg taccctggaa 300  
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ctacggcggt ctcgggcgca actttactta ccagcttgcg aagcctgacc ggctgatcac 420  
gtcgggacta tacaagcatc tgcagcatcc gagctatacg ggaattgtgc tcttggtggc 480  
tggttatggc gggctattgg tcaattcgct tcgattcgcc cattacttgt cttttttaga 540  
acctctactt aggttattga aagggtgggag ctggttcttc tcttgtttagc agctcggact 600  
ggtttgtccc tggtggagga tccggttgag agagaacccg agggaaattt tggcccag 658

<210> 6139  
<211> 568  
<212> DNA  
<213> Aspergillus nidulans

<400> 6139

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agtagagctt actatgtgtt gtaacccttt cacaagtcct tatggcgagg aatgtgtact 180  
atggcgcgta tactagccat cgtgatagct gcatatcaaa atgtcaagcg cagtgaccag 240

ttagggctag	gtgactcgaa	ttgatacgga	tacgtttatt	ttaccattta	tagggttaat	300
acataactag	cggtataaat	atgtcacgtt	aacctgacag	aattaaaacc	ccagcacagc	360
cgcgcgccaa	atcaatcaac	ccggcgagct	tgcaaatgc	ctcaataatc	ggtaaaaata	420
ggatctgtct	ggcgtctaaa	tacatgtcat	ctgctggaag	ccggtctcac	agtatcaaca	480
acggtcggta	tagcggatag	aaaagtctct	tcattgtgctc	tagcgaaatc	aatttagcac	540
tagagtaaac	gtccgacagc	gaggccgc				568

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 <212> DNA  
 <213> *Aspergillus nidulans*

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caactgctaa	tgaccggaca	gcggcgggtga tgtcgggtcac cgggaacgac gtggggggccg 180
gttaacctgg	gtccgaaagt	ctccacatct attccgttac ccgtaagcgt acatctgtac 240
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cgtaaatacc	gagacctgac	tccggcaaata gcatgataaa atcgggttggt gctagcacta 420
tagtgcatat	gaatggattg	cggctcccag gccactctgg ctgatcacca tcaactgtcgg 480
gaacagcaag	acttgacccg	cccgaaacaa aaggaggga 519

<210> 6141  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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cgggacagat	cgatgacatg	cgaaactgat gtttgccatg gacctgggtc gtttcacggt 180
ttccggtgag	ctacggttct	cgcccactaa gctggacagt ggacacgtct ccaataatcc 240

caagctagcg gtaagagcac caacatccag agtccagttc tgtgggactc tagcgacctg 300  
 gttaccggac ttgacccctt gtttagatag atagaccggc cctgcggagt ttctaggttc 360  
 agcgatgac tgatttctcc gcaactcgag ccctccaaca aacctaaagc tccaacatcg 420  
 ctgaatcacg gacgagtact atggt 445

<210> 6142  
 <211> 512  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6142

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 ctgaccataa cagcttggtg tggatgaaga gtccgccatt cttggcctac cgggacaacg 180  
 cgaaacaact ctgaagctag acgcggaacca ttgcgagatg tgcaaagtta gcggtcgagg 240  
 agcgatgtac aggctgattt caggggaacat cagagatatt gcagaccagg tcctggaagc 300  
 tgagcgagga tttgtccac aaccaccta ctcaccaaag cctggccctc cgctcccacc 360  
 tcgaatgcat tttaatagta gtacgccata cgcaggcccc cctcgaacc caaacccaaa 420  
 tgaggcccaa gttatcggga ccatttacca accggccgat agagatcacg gtcgattcaa 480  
 gtagcgaagt atatgaatga gtggaaatgg ga 512

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6143

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 ccaacggcat tttccagac gtcgttagtt ttagcatcaa aaacgatgaa cagttgagtg 180  
 taattctgaa gtcatactc atctgttctt tcagctcttt tgcaatgttg tggctgtccc 240  
 tgtgatttgt tgccatgtcc tttgtcctt ttcaccgttc tctgtttagt ctctgcctgt 300  
 tcctctgtag agtagcatcg agcgctagaa ttcgaacaaa ggacggagga gctgtggttg 360

gaactgtgat ggctgacgga tggccagagg cgctgtgaaa gcggaacgga cagagaacag 420  
agcccgggag gcctgagctt gtctgaggag agttcgcttg aacattatga atttatgtga 480  
tttgagatt ataatgattg aaggtagagg aacagggttg gtgctaata gacactcggc 540  
attacagcag aaaatatgaa agcttcgacg tcacctgacc gcgccgaagg aaaaacatcc 600  
caccgaacta tacatgagat gcgacgcgta tcatactttg atgtcccaag taattgtgga 660  
aaccataccc gaggtcaata aatgggtgga cttccgcaga tagattctgt ctggagtatt 720  
aatcaagtgt tttcaaattt tacagttgag gagctattcg ccgttattag ccgggtccag 780  
tgaggtcagc tcctccgaag agagcacgga tggcactaat tgagagacag cttactgtt 840  
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<210> 6144  
<211> 858  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6144

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tgaaactgtt acaaaaaacgg caagttgtac cacttgccat gcctccttac cgtgccactt 180  
ggacagtgna tctggcacag aggccaactc cttaaattggg ggctcaactc agaaccgttc 240  
gtagagggtgc ccgccacact cgttacatgc ttaaagatga agagggtgct ttttgatctt 300  
gacagccagg ccgagagcac cggccgttac gactatagcg aagagctgta cgaccaacca 360  
ctacagatga ttatgccgtc tcagggatct cagaagttca agcgtcggca tatgcgtgct 420  
tggaactgaaa ccttaggtca gagcgagacg aaacatcagg gcggctcatc gtccttgaag 480  
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accctgatgg aaaacgaatt tgcgccggtt aacagttgtt ggatcctcaa gacgcaaadc 600  
cccaaactga atgaggggct accatagttg ctgatcccct aaaagagagc taacttggga 660  
ctgatgatct gtgcatttat tgccggcgta ctgtctataa acctgttcaa cggttaaaat 720  
ttccctttgg gtatgttgct aagtatcttg gctattatac ccacctcgtg gttacatcat 780

tattcacttc ctctttctca ctatcttttt tectctcatc tacttccata ccttaccctt 840  
aatttatctc ctctcatc 858

<210> 6145  
<211> 524  
<212> DNA  
<213> Aspergillus nidulans

<400> 6145

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tttaccagat aggagaccag ctcccgata ttggcagtc agtactcccc tataatatag 120  
aaccgccgaa ccttcttctg aatatgctca acaaagctc gttgaaagcc agtcgacatg 180  
tgctttgcgg catctagtcg catcccgctc agagacaact gctccgtgat ccaacaactc 240  
cagttgaaca tatcagcgcg cacctcggga tgagacaggt ccagatcggc aaacattaga 300  
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gagaagtgt gactatgata cttcatgctg ctgtatgtat cttcacgtac tcgcaaacctc 480  
gaagccagtc caggcagata tcgacgaggg cttagagatg gcac 524

<210> 6146  
<211> 528  
<212> DNA  
<213> Aspergillus nidulans

<400> 6146

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ctcctctatc tacatatctt tcaagaccac aaccacctcc ttctctccag ctaacatagt 180  
ggcccccat cctaaatccc ctttggtgaa cgtgtccac ttatttcccc tgagtatatc 240  
cagccgaact caatttccat ccaaggccag aggataaaaa ggcagctgac acgagttgag 300  
cggagaaatt cccacagaa ccccgctcta ttatcataaa cttaggccac agggccagat 360  
gacctccgct cctcaaacc aatcatcact tacttcgttc gtggttggt cgataatata 420  
cttacatcga agtgaatggt ccaaggccga agctgtcct tggtagatat gaatgtaaat 480



gaacgacctt agtgggaacaa tactccgatg gtgcggagaa ctcagtga 528

<210> 6147  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6147

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 gcgtggacct ggactgtggg acctggcttc caagctacct gggggaggcg gaaaggcagg 180  
 gcttgatcag caatgagacg ctggacgcgg cgttgacgag actatatacg agtctcgtac 240  
 agctggggta ctttgatccg gccgaggggc aaccgctgcg gtccctgggc tgggacgatg 300  
 tagcgacgag cgaggcggag gagctcgcaa agactgtcgc gatccagggc accgtgctgc 360  
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<210> 6148  
 <211> 1002  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6148

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 tcagcactac tgcattggcca taagtctctg cttatagtgg ggatttcgca aacaaatcag 180  
 cagtcgcaaa atctcctacc cgactcgcat ttcggcactg tggcctaact gcttctcacc 240  
 aggatgatca ttgatcagca agaattggctc tttttactcc atatctacat accacattta 300  
 catcatatct acatactaaa catcactcca tgtctctacc cgtggaaatc acctccaatg 360  
 tgcaacaatt cggatttaca aagaaacaaa cccgatagtc gaactttggc cctgcagcct 420  
 cattacttcg agctacgtaa gccgagttcg cacgcagtgg ggtttctggg cttttgataa 480  
 ttgactaggt atggactgcg tgcagccccg gcttgtgttc ggcgagtgcc aagactggga 540  
 gaggtcaaac cattaaccac aatcactaaa cccgatggat gggatttgct gcaattggga 600

aaagctttgg ggggggtgggg gtattatgtg ggtgggtggc cccatattcc ttttgtatta 660  
 ctggaagcgg ttttggtagt tatgtctcat ccctatgccc acttatcttt acttaaataa 720  
 ctccggccgt tgggtctcatt ccttcttgaa tacttaaagc ctccctctcg attttggtgc 780  
 tcattttccg ttatgcctaa atttgttata agcggcatgt ttaataaatc ctggaacttt 840  
 atattaactt cttttttaaa gaactaagtc ttttctcagg gaggcttaga ggagttccgt 900  
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<210> 6149  
 <211> 509  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6149  
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 cagacttacc tggccaaagg catcctgac taaaacaact ctactcttat cagggccagg 180  
 cccctaggat acagaataag ttaccgcaga agaccagga aaagcgaata cactactagc 240  
 ttgaacaaga tctaatttc attcacacaa ccagacctgg gtattggggg actgctagct 300  
 tccccagtcc agaaactaga ctactgaata gtcctccag cctcaagccg ccacatcaga 360  
 ttgtcccttt gaaagataat cagccgacca agtagtcgta atctcttgcc aaaaccacgc 420  
 ataaactggg ctgtgtgaga ataggttata aaggtaaaaa tattattgat ccttacatca 480  
 aaatacgctg tataatctaa agtggtgac 509

<210> 6150  
 <211> 465  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6150  
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 cgggcggggg tagaccaag gcacaaaggc tcgtgcttgg gaagcttcgt gctccgcgtc 180

cacccattgt gagagactag ctcacgaaag gtctctatga gatcctgccc tacatttccg 240  
cacctgacca ccgtaccatg tctggtgatc ggacgatcat cataccgact ctgcggaatg 300  
ctgtgaacca gtacccatat cctggaggca ttctgccact ctgagattcc ctaattagcg 360  
agtctcgata tgctcagaaa cgcgcaggcc cttcatggtc gcagagatcc aggcatcgag 420  
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<210> 6151  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6151  
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tccactggga agagtgtata tgcacccct gccaggcccg gccaaatcgg tactttcttt 180  
gataattcaa gcccgagcga gaccgaagat gaagggtata ggccggtttc gcgcgatgac 240  
tactctattc atagcaacca ccttctttc cgctcccgaa ctccatcaag gccgacaacg 300  
ccaactgcgg aagagaacaa caacactctg cctgaagtgc ggttctcgga tttgggcgac 360  
ctgaagccca tcgcagagca ccgggagagc attgccgagc agggtagcaa cccccggcc 420  
agccccgaga agcctccttc tcccaccata cctgcaggac tcgacaatca gtggtctcgt 480  
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<210> 6152  
<211> 490  
<212> DNA  
<213> Aspergillus nidulans

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ccgtcgatgg attgacacca cactttttga agtaccacca ggcactgacc cgtccaaagt 180  
gccaccaacc cgaaagaagc gaaaaattcc acggagtga ctctgctgc caagaaggca 240  
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gctttattgg aacccagttt cccggactat tccttccttc gacgagtctg gattgtgcac 360  
 gcgctgggat tcacacccgc gccaaatatt atggcgtgtg gtcactcacc gaagctgcat 420  
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 cagactgcaa 490

<210> 6153  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6153

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 atcacaatat caaagttccc ttccttttcg tccttcaggt gctcttcaag ttcaaccttc 180  
 ggttctggac ctgctacctt gaacggagcc agagcgccg tggtgacaat ccagggcgag 240  
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 atgtcgcggg ctgcagccat attagtccta gttgctacac tgtctcagag aagcgggaaa 360  
 ttgaacgaga cgcaccactc caatcgtaa gcactacgaa cccaaaaaca taaacaactg 420  
 catcagtagc aggaattcct tatgcggatc cccatccgaa aggtcgccca acgacaacaa 480  
 caagt 485

<210> 6154  
 <211> 490  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6154

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 ttggtttctg ccgcggtaag cgacggtgaa cagcagcagc gcttgaacag tcggcagata 180  
 gggcacgaca attacgtgcy ccagaaggcc ggcagcagca tgaagatagc gttccccttc 240  
 ctctgttggg tattgggcgc gttcatctac cccgatactc atgagcagat acgcagaaac 300  
 aagtacgggg atgtcatctc ttgagatagt cgacaagtcc tccactgcag cgagctgctc 360

gagacttgct gagaacgcag taaaattgaa tataggatag aggggatata ttcgtaatcg 420  
gaatacagag caatattctt tccgtctctc tgcacccgga agttcaggca gcgtcagagc 480  
cagcgggata 490

<210> 6155  
<211> 699  
<212> DNA  
<213> Aspergillus nidulans

<400> 6155

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gagcgctact acagagaccg cctggggcaa agactggaaa ggagaggagt gagagccaaa 120  
cgctggagta ggaagctagt acgaagtgag actgtgagag cctgagtgga agcctgagag 180  
agcctgagag agcctgagcc ttgcccagga gagaaacgac cagtgaccag aaaggaaagt 240  
cagctgccgg gcgggttaca gcggcagaga accaagtact actaagacta ctaagtacgg 300  
tgtagtgcca ggtgagtacg gacagaatac agaaccaaaag tgaggcgccc atacggaagc 360  
aagcaccact gctggatcag tcactctgga gactctcaga ctcccgtatg aatcgactt 420  
tgttctgatt cgacagcgta tcctcttggc catgggtgat ggggcgctta tacggctcgc 480  
tcccagtgcg gtcagagaag aattctctgg actctggagt aggtcaggta tgccagccca 540  
agtccatgtg aggggtgccag gctgccagct ttcaggccac ccccgactga attaacactc 600  
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accatttcca cccccccgcg tccttatata aaacagtga 699

<210> 6156  
<211> 715  
<212> DNA  
<213> Aspergillus nidulans

<400> 6156

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tcaagatgga ccacatgacg gatctgagaa cacacttcgt gggtcgcgga ggagtcttct 180  
gaggggccga agggatagaa gcagaggaag cagcatgcga tccaaagagc aaaatccgga 240

cgagcctagt ctggaggaaa ataagactgc tagccctgat gtgcacgata aaacgagata 300  
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 tgatgtcgac cccgaggacg gttctattcc tccgaagaag actccacac ggctatccgt 420  
 tgttcagact cagccaacgc cggagaaagc ggatgtcaat gccgccgact cgagtatggc 480  
 ggagtccaag atgtcgagtt atttcaagga cgagaagccc aatatgacag tgattcccg 540  
 caaacaatca tcacatgaag aggggtgctgc ggaaccaagc tcgcaatatg atggaacaaa 600  
 aacggcgcca gttatacctg aatctgttca aaatcaacct tcataagcg cggacaaaaga 660  
 aaccgagtg ccggacacac aatcgctgat ccagcggcga ttgtcgact gagcc 715

<210> 6157  
 <211> 519  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 tcaatctcat cgtcagaaat ggtgcaagga taatcaagct ttgccgtcca catgcggtca 180  
 aaggtgtacg ctgtcctgaa gatgcgttcg cgggtgttcgc gttcgccgc gtcggacaat 240  
 tgggattcgg ggatattggg attgaggccc atgatgatgg caagacgaat ggagaccgg 300  
 caagactgta caccgcgtgt cgtcgattga ggtagagtaa gtacaatgat agaagcaatt 360  
 gaatttcgac catgtccacg ctcgccgct cgctcacaat gcgccgata ttggtcgctt 420  
 tacagaagta ccggaccccc ggaaagacct tgtgagggtt tgagttcctt gatgtatata 480  
 tctcacctat cgcaaacaga gccagagtt tgcttttgt 519

<210> 6158  
 <211> 681  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6158  
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ttctttccgg tgaagatgtc gatggcgaca aggtgaacct tggcgtgacc gtgcttacca 180  
 gtcttgagg tagacatgtc gacgatcttg caggggcggt tcttgatcac aacgaaaccg 240  
 ttcttgcgca gagcggaaca ctgcatgggg taggtggccg aggcgccagc atcggcggac 300  
 tcgaaggtaa cctcgtgagc ctgtaacgga acagttagcg ctggtgcccc tcgacggccg 360  
 caaagtgtt cgttcaacgg atcgaatggg aggtatattt gcacgtttcg ttgctgggga 420  
 agtgatcaga tgcgagtggg gtaaggatgc tggcgcctgt attccggctc ctcaagacca 480  
 gtgactgatt gttgaggaac gtgacaggaa tcaacctagc ctagcaaadc aggaaatttt 540  
 cataaaggaa cggtagctcg tcagccatgg tgatagatgc taaagcaaga tagactggta 600  
 gaacagaaaa aaaaaagaag gaggagatag gactttgctt gttggatgga ggaggagaag 660  
 aagagaattt tcgaggaggg g 681

<210> 6159  
 <211> 676  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 tcatatcaca tctccactc gactacagcc atgtccacca caatttcctt agccaagacc 180  
 caaactaccc gttcaactct tatccaggca atctcgacag ccgcccacat atctagagtt 240  
 gactctgcaa tatgggcttt tctctggacg gcggatattc caaacctcga agccatgttg 300  
 gataatgcc aatcgaatcc cggggtggtg taccgacagc tagtcaattg ccatcaggct 360  
 agggacgcaa tcaggaaatg tgagtaagtc atatgataaa cctcactatg atacctgtgc 420  
 gatataggga tggtcaggac tcaattccct agcaatgaac agcatcgagt ccataggctg 480  
 aaggagaaaa actcgagatc gagttcgatg tcgatgacaa aagaaagatc cgccaatcta 540  
 gactctgtcc tctcctggaa cgcggccctc tgcaagacac gagacgggaa caaatgcgtc 600  
 atcccagccg caaacgcata cctgcacacc aatccaagta acaccggtaa tgatagcgac 660  
 gtcaaagtca cacctc 676

<210> 6160  
 <211> 444  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6160

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 ccctgaatgt tcgcgccatt cacagtacac tccatgagcg gaatggcgcc cctgagactg 180  
 cctggggcgca tatatacttc tgtgccaatg aagggcacta ggactgtccg ccactcacct 240  
 atccttccga accgcatcgt gaagagcgca ccatgtcagc gccacggcct gagatccctg 300  
 agaccaagaa tgacatggac tatggccatg agtcgccatc gcccatcacc tccgtcaatg 360  
 gccctgataa agagcagggg gatgaagaga cggacatcac gtatgcggac gccctgcgct 420  
 tgaccatcat catgtgcacg ctga 444

<210> 6161  
 <211> 477  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6161

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 tgttctctgg caagatcggc tccggcgacg gcacggcca agccctaacc catgagcaat 180  
 tccttgaagt cttcagcact ggcaatggct tcacaagcgg ctgcgggatc gaatatacctg 240  
 caaatatcac agtcgagaaa ttactgaca aatctacaag aaggaacccc atcaagggta 300  
 cggactatct cagtgggatt ctgtgtccag gacggagact actgaatgtc aagggtcaagc 360  
 gctttgctga tgggaatcgg agggacctac atgacgggat gcaattcttt cctctcctca 420  
 cctcatcaca accctagggt agccatggag aatgagtgtt acacaatatg agcagac 477

<210> 6162  
 <211> 708  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6162



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gattcatcga tctgcgccac tcgcaacctt catcttcgcg tccgtattcg cccctgcatc 120  
accaatagag ttcatattcg gactcgcacc gacagccaag tccatacaca gaagattaag 180  
ctcgggtcaaa gggacacgag atcgatcatg ggcggtagca acgacattcc tgtcaattcc 240  
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actgtggaat cgggacaaga agccttcaaa ggaaaccagg gatgccctga cctatttaat 360  
aaggctttct acaaaggagt cagagcatga ggacgcgtcg aatagcattt tcgactggta 420  
cgaactcgag attcgtcggc attttttgca gaatttcaag gaagatctgt ccattgtgag 480  
ctccgcctcg caccagacg gtctcttgag agagaagttt cccgacgtat ttcagtctat 540  
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gatgcgccgg atttacttca ctccgctggt tcaatacatg cttcctgtcc tagagcgaag 660  
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<210> 6163  
<211> 502  
<212> DNA  
<213> Aspergillus nidulans

<400> 6163

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attaagcccg tggagcttct tcacaccatg tacaacgagc cgagcttgat gcagcgcccc 180  
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gaaagccttg ggcgtgggtc atgtggactt gacgattttc aatgcaccta ttgagtcgga 300  
gattggcgag tcgtgatccc tgctgcttct tgttttaggc aaaaccgcga gtggaaaacc 360  
agagggctgc agttcgagaa ggagatgacg aatctggttt tgatgcaaaa gaagacaaga 420  
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actagagggtt acatgtgcga tg 502

<210> 6164  
<211> 632

<212> DNA  
 <213> Aspergillus nidulans

<400> 6164

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 acacacgcgc ccgcagcaac ctccccaaaa gacaggcagc agcatacca ggaaccgcgc 180  
 cacaagacga gagccgggcg gaaacaagag ccacacgcgc aaaagacaac acagctgcaa 240  
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 cccccggagg cagagaaacg accacagccc ccgggcaagc cccaaaacgg caaaaaccaa 540  
 ggcgcccccc aaaaacgaaa cggggaaaaa aacaagcccc ggtccccgca taccgcccc 600  
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<210> 6165  
 <211> 2174  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6165

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 tacgagtcga gctgcgaaga ggaaaagcca aaagagcgag gaatctacag agacgaccga 180  
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 agaattcact ttgttcatcc atcatcattg accaccgctc cgttcctcac cacagccata 1860  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6166

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cgcgaaatcc tccgcctggc gagccaaggc ggcgcgaccg tgcagtatgt gtcgaccaac 180
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gacgtgccaa caaagctgct ggatgggtac ggacaaacta agtgggtagc agaacagctt 300
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gactttgtta gcaaagctat taccacctc gcgaatcagg ctgcagtgga acagtctgtt 540
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6167

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gttcagcgcc taataggcgt agtacaagcg ggtctcgtcg ttcgactggc gtatcttttt 180
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6168

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gcaaagtcca gtcccccgtc tgctccaaac gtagcgcta caagaatact tccgctcgcg 180
tggccgatag taatacctgt cggatccacg gggtcgaac ttgtcacatc tgcaaccgta 240
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atcgaacaa ttccaatctt ggggacactg ccaggaactg cctcagggtga ccgagcgagg 420
ccatcttcgc gccagcctga cggcggatag agtctaagcg agccaggaga cgggagtagc 480
agtg 484

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<210> 6169  
 <211> 600  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6169

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caaacattga acatataaac agatgaaata atgaatggcg gaaagaaata gcacggagat 240
gaaatgggta cgcaaatac gtaagctggc atgggataaa gacagtttgc ggcgtaggca 300
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tggatgactt tctaagaatt taatgtggcg gttgacgata gcgatccaag agttaggtgg 480
atcagagtat caacagagag aatgacgcac ggtccgggta ttgactgcac ggagccaacc 540
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<210> 6170  
 <211> 516  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6170

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gctacggtac aggtcctcaa acctcacagg gactggtgac caccttggtg cttcagttcc 180
ctatattttcg gacagtagac ggcattctgag cagcgaacca ggactcgata gaccagaaga 240
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gcttgccagg gcgattgaat gccccggga gtctgagcat gagcaggggg gcaatattgc 360
agcaatagtg atactccgga cgcccaactt tcagacgcgg acccaaactc aggaccagaa 420
tcaggaccag gagcagaacc agggccaagg cggatggaca gcaaggccac ctctcgctgc 480
aacttggtat cagccttcga cgggtcagag cttcac 516
  
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<210> 6171  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6171

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gctggtgata gtgatagtga cgaagagggg ccaggaagtc aattacgggg ggatctaggg 180
ctggggtaat tgaaataagc tcaaatgtt gagcggaaat gccatccatg ttgaaaaatg 240
gcttgatgtg attgatgtac atacataata cgagtaacct taccacatgg aactgatgt 300
tgtaatgcgc cgctaaatat gctccaaaca gtaatatatc atcgccttgt gcaatgagga 360
gcgccttcta acgccttctg aactcctgta atccgtataa tcatccgacg agggccagct 420
tcagccacga acgcgggaaa cgccaacggc atatctatca gtggtatctc aaata 475
  
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<210> 6172  
 <211> 677  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6172

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cctcgtcgtg agaatggtca acctcgacat tgagtttata ttccggtca acgacgaaat 120

cctcatcttc atatgatgtc caaatctcct gctcgttcag gataccctga gagagcgcg 180

cactcttctg gaacacaaag agtgcataca acaactgctt cgagtcaaga tttccctctt 240

gacgcagcgt attctgaata attctcagcg gtgcatgctg atgtctttgt gcttcgacgc 300

catccctttg gagccgttgc gcaagagcgc agttactcat aaatgtggga tcaagcgta 360

ttcgttgcg c gacagtgttg aataatggtc ctaatgtacg gtctgcctca gggtgaggca 420

gtgttcggcc ggctaagact tgaccgaaca cgacgtcacg ggttccgaga aggtgcgcgt 480

aggcctttgc gtaggaaagc agggagacag tttggattgt gacggacatg gtcttgacgg 540

attctgtgat tgagtggagg gctaggggat tgcgcttttt cgaggttagc atatttgag 600

tgctgtcgag cttgggtagt ggacagatct caacaggtac atagtctctg aacctgtcca 660

gccagaaggc acaggat 677

<210> 6173

<211> 553

<212> DNA

<213> *Aspergillus nidulans*

<400> 6173

attaaaaaag aaaataactc tgagaatgga gtcaaagtca ctataacgac aaataaaaagg 60

caattaacca gcgtatgact tgaacgtagg gagcttttct ctggagggga agtcaagaaa 120

gcagtcggag aaactaaaat cttcattctt ctactgttg aaactagcgc tagatgagga 180

aaatgaccag accgaatatg tctttgggtc gttcatttat tgtctcattg agcgtactag 240

catcctccag gtacctctta agctgtataa acaaggggac gctggcttga ggcttatgtc 300

ttcttcagat agcggattgc ctaagaacga gtgaagcatg cagctgtact tacactttct 360

acctgggaca actacctttt taattgtcga gattgccttg aggttggtcg tctttactcc 420

agttacactg tgacagtcaa catagataat gcacggcttc aaccatggtc tcaacagact 480

actcttacat tccggggaga aaaaaaaaca gagacaaaag aagagcacag gagtacaaat 540

acttagttca gag 553

<210> 6174  
 <211> 535  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6174

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aatggccaat tgaggttaat atacgtcacg tgaaactatt atacagcctg aagcattgct 120
gactcagctt gttatgcgct gcagttcatc ttccactact cccaacagca cgaatcaaac 180
tttggagatg aatcgatcct ggactgtccc tccatgagag gtccagaaat ccagatacga 240
gcaattgccc tgggttgaga tacttccttg ggtagagact catcgtctac agccatacgg 300
tccacatcag cctgatgcag ggggtgcacat aagactcaag gctgttttga gtccagcaca 360
cttcactctt gtaggattgg gctggctggg atccttggct ctcgtctctt tactcacact 420
cagtcagtga actattaatc ctatgagaag agggtcggac tgccgtctat cctgttcgtg 480
ccctcgtaac cggcctttaa agccgctttc aattacggct gatgaatgca ctctt 535
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<210> 6175  
 <211> 750  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6175

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ggcttcaaaa agcgctaggg tcagataaag atacgcaagg atgaccagcg atatgtttgg 120
tgctatgtcc gggctctccg gagttgcaag gaactcctct gagagcgctt gcggccaccc 180
cataacggcc gcaccccca tgtcagcctg gagttcgatg gatgtgcatt tctcgtctct 240
ggaaaattgc gctagataga ggattctcat gtaaaccgac tcgacgagat caagcccatc 300
tttcagtcca gaggggaggg attcgggtga gtcttcagct gacgaagacg gcgttgaccc 360
ttccaaggcc tgtagacgag ccaaagctct gtatgcaccc tggcagaatc tggaaatcct 420
gggagagcat ccacgaggta tgactgtagt ggacatcttc tcgggggtaca ttttccagtc 480
ctcggtcgcc ccgggatact gcagcatctc ccttaacgga cccatcctca aactcggcca 540
gcactgttcg acgacggcgg tctagccacg aatgaggtat atccagtcga gccgcggttt 600
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tctcagcggc ggcagagggg atgtatgtga atcattccag ttcctcattc gtagcgacgc 660  
agaagcgtaa ccaacgagcc ctaatgaccc ggagaaggct tcatcacaaa aggagtcaga 720  
caggccgaat agatgggtcc taaacccgta 750

<210> 6176  
<211> 448  
<212> DNA  
<213> Aspergillus nidulans

<400> 6176

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ggggcgccgg cgaagcgtca ctaacggaac cgtggaataa gtggtcggcc atgggctcag 180  
cggcggcggtt ggaagcaacg agaccggaga agagcctatc aaggaagttg aactgtacgt 240  
actttcgctg gccagtttgg tcacaggggt agttgtcggg aatggccgag gcagcgacga 300  
cgcgacaggg gaggtcctga ttatagttgt cgagtcgggt gcactttcgc taacagcggc 360  
agagctggtt gacgtaggcc acggcgtcaa cgaagccgta gaagaaggaa ttaggggagt 420  
cgaagtgtc ctcgctgtct ctgtggag 448

<210> 6177  
<211> 453  
<212> DNA  
<213> Aspergillus nidulans

<400> 6177

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ggttgaaatc gtgatgggtca gtttagagac ctgatatagc tggtttgac tgtttgtctt 180  
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gacggtgtct acttatatga taatgctaca ctcgtagtgt aagcagatat aggtcgtact 300  
cgtacgctag aagacccttt gtttctttga ggctcgtgtt tactgagcgg cttttgtacc 360  
aaaccgccag atgggtgggt gctaagcaat ccagcttact aatatgccac tcggcgccaa 420  
cggcattatc agcgtgtct gatgaaataa tac 453

<210> 6178  
 <211> 417  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6178

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gaggtttgtc tacgggggacg ggtttttctg cggcgggtgac ccttatgtct attcgttgtc 120
ttccgccggg gatattcgtg gcgtgtgccc ggtctgaatg cactgtggat tgcgcgtttg 180
acttttccca tgaattttga ctgccccgac gtaggcctga aggcgagaca agcggttttg 240
tgtttgtcgg gagccttgcc ctggcgggtga tgagttcgcc tgcgctgcga gcaacaggct 300
ccctgatgcc ggaaggtttc ggtagggtgac atctgaggcc cgtcatgctt caccatagta 360
cgtgttatag tgggtgtgat aatgaatata tcagtcgccc ttgagtgcgg tttgtgg 417
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<210> 6179  
 <211> 846  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6179

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gcaggctgaa tgccgaggca atcaaggccg gggctcctag accactgggc ttgtattgga 120
ctcacagagg ctgaggcggc agcgggtatat gcctgtcgtg agtattatca ggttggttgg 180
cttcagcatt gacgcaaaac tggttgagtt gcgtttgaca taccagacc ggtgattcta 240
tcctggtttg cgactcgggt ggagggacta ctgtgagatt gtcctatgg attcctatgt 300
tggtatgtac tctaaccggg ttgtttgacc cgaacttact aatatctttc ctacgacctt 360
cgggagatcc tcaacttttg ttatacacc ctgagtcgtc cttgattttg ccctgggctt 420
ttttcctcct ttttcgtttc attttttaac tttttctact tccaattta ccaactacca 480
cctctgtttt tttatcatca ggcccttttc ccacttcctc tctcttacc tcttcctttt 540
tattttgatt ctcttctttc cattcaccct ctatcctcat taactaattc tctttccttc 600
cttttcctct attactcccc ctcttctcac ccttaatccc tcacataact gttttttatt 660
ctcttttcat tgcaatattt tcttcccccc tccatccctc ctttttattc tattgctctt 720
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ttttatcccc tcctatatct tctcctccct ttatcaatct tatatttttt tccctaatta 780  
 tttctttttc acttcttacc ttattttcttt ttttcgtatc atctctcttc ttttttctcc 840  
 ttaccc 846

<210> 6180  
 <211> 528  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6180

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 cacgcaggca tcagattggc tcaagactca tcgaaaaccc agtcgaattg cacgtcgaaa 120  
 ggagaaagac gtagccaagg atttgaataa agaagagcgg aagaaacaag acagcgacga 180  
 ggtcgacgac gagccgttgt tcgtcgacaa tctgctggac atcggccagg agacggacct 240  
 gctcgctgaa gcgaaggata tccgtgacga gctgaacatg atccgcatgg tcctgcacta 300  
 ccagaaaaac gtccttgacg acttccatga agttgtggga gagatctatc tcagccaggg 360  
 ccaaagccag agagatatca agaagcgggt tggagagcag cagcgcacga tcgatataca 420  
 cctgaaggac attgaccgca tggacaagca agcggcggan tctactcgtc catcacagac 480  
 cttctcgacc tgaagcagaa acatgccaac gcgttcgagg cgcgcttt 528

<210> 6181  
 <211> 592  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6181  
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 tcagcctctt cggtgatgtt ggcgactaat tcgaagtcac cgctctgctc gagcaccagg 180  
 cgagcttttg ccatgcagtt accagccgct cgcacgcaat cggttgccgc atcaaccagg 240  
 cgcttgccct cgtccggcat gaacaccagc tcatcgtcgg gcgagttagc gggtcgaaaag 300  
 gcatcgcgag cagcaaacac tagttccgac aaccgttcat acatggtatc tttggcctgt 360

tccagcggag tgctgccctg cgcacatgt tcgcagacgg cttcaatcac cgtcagcagc 420  
gcacggcaag agcgcaactgc ctgctcggtc gtgataacta gttcagttga agagcgagat 480  
tgtagatgca gaccaataaa ggagcctaag acccccagga acgcatcgta cgtggccgta 540  
agaacgctcg aggcgagatt ttgttttcgg cgggtggccgc ggccggccac tg 592

<210> 6182  
<211> 379  
<212> DNA  
<213> Aspergillus nidulans

<400> 6182

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aggagtgtga gaaggcaaga ggcgctgact gtgacgtggg aaaaaagtcg ggaacgctct 120  
cggcggttat atcatgccaa gccgctaccc ccgatcagta tgtccgaccc cgaccccgaa 180  
ccccggactt ccagtatagc ccaatctctg gcattcccat ttcacctcac ttcattctata 240  
tctaaggctt aacgtcggca tgtaaatttg tatcttata ttggtcgcta tatgggcatt 300  
atatagaggt cgttttgaca ggtagtggac tgggttgagc cacggatttg ctactctctt 360  
acatcctgac ccttatgaa 379

<210> 6183  
<211> 889  
<212> DNA  
<213> Aspergillus nidulans

<400> 6183

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tgggatagaa ctcgctgatt actggaagct acgtggtacc ccagtacgga taactcagta 180  
tagcgggccg ttctcgagta ctaggggtta gatttgtagt ctcgcacagt tccccgtgcg 240  
tagctagagc tccggcttgt cttggagggg gggctaagtc aagaggcttc gccgaggatc 300  
tcatgatgat ctcaaggcca cgcaggtttg cgtgagctct gacggccttg ggaacgggtg 360  
gcgttgagtt gccatttccg atcagttttt atccgcaact gagtcctgtc caacttgccg 420  
tatcatcaaa gatgaagagc tgcgagtggg taatatcgag ccgtagttgg cccggccggg 480

agcacaatac gcctttgacg ttgttgtacg cctatactgc tgtgctatca ggctcaaacc 540  
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 aaggacatgg tttcagctta ttgcctagct gtcgtacctg aagagggcca acccgccatc 660  
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 tttaccaacg acggccggta cgtaggggca actgaccgca atccatgtca gaccgggctg 780  
 acagctgctg atcagctgga acagaagttg cctatctgtc aattcagctg ccattattat 840  
 tgaaacaatg gcatgcaaac ggccaggttt tgactagctt gaggcaagg 889

<210> 6184  
 <211> 453  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6184  
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 cttcaggtgt gcgactgcta gagacgggat ctgaggatga acggggcgct actatgtcgg 180  
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 aaactgtgcg agagcgcttg cctgaggaga acgaggggta ccctatataa attttaaatg 300  
 tcttgccgta tgaatcatga ccataagttg tagattataa agtataagga gtatagtaga 360  
 caagcttga tcttgattgt gtgctccttg atcgccgggg caacgagcgg gccatggccc 420  
 gatcgtgggg gtgatcatgc aataagtcga tat 453

<210> 6185  
 <211> 546  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6185  
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 tggaacaaaa ccaaggacct cgcggtgatg atatgtgttc tggatttggg aacaatcagt 180  
 tattggcact agggctggct ctggtggaac tgccccttgg gacatccctg cagcagttgt 240

tggeccctgca agaggagaat caagatacgc tgggtggcaaa actcaagtct gcatcatggc	300
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gactagccgt caaggaaata aagggtggaag gacaggttgt ctcaggttgg tgacaacata	540
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<210> 6186  
 <211> 820  
 <212> DNA  
 <213> Aspergillus nidulans

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cgaaacactc aagctttggc tctcagacgc tcagttccac gtttatgaag ctctcacaaa	240
acagatcacc acagcaggtc tgaagtcgga tggtcgtatc cttgatatcc gcggagttga	300
tgtcatgagc gcccgatatgc tggaccccg tgatatcccc gttttcgtgg ttatgtgtcg	360
cacgcaagaa gtccatgttt acagaaacgt caaaacaaat gagctcgccg ctgggatgga	420
ggacaagggt cagttgggta actatgtcat gggcttcacc cgaatccctg aagatgtgaa	480
caaccccgag accaagggct ggagattgat cgagctccag aaggctgctc gggattacat	540
ctaaacgaac agcggttgatt acttctatcg cgaacattat tgccgcttcc tccgaacttt	600
gatgacatac taccacagcc tttttttccg gactccctcc cattactcca cttctcgaat	660
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ttcatgttat gttttagtaa ccgttcggta tgggtatctt tccatgattc ttgattatat	780
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<210> 6187  
 <211> 542  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6187

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cctattagac ttcgaaaacg accaacgcaa cgccaaatcc catcccgaca atgccgcctt 180  
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caagcacgca tgggtggtaa tccactacta cgagcaatat ttcgacgtgg acaccaatga 300  
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aggcaatgca gacctctacg gccctttctg gatcgcaaca acggttatcg tgatcctctt 420  
tcttacaggc acaatttcac aatggctctc gaacaacgac aaggagcact tcaagtacga 480  
cttcacgctg ctctctgggg cggtaggcta tgtctacgga tacacatttg ccttgccatt 540  
gc 542

<210> 6188

<211> 840

<212> DNA

<213> *Aspergillus nidulans*

<400> 6188

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tggaatatata atgggggggaa gagaaataac aaaggccctt tttttaaaaa ttggcccccc 180  
cccgggggga aaggggaata aggggttccaa acccccccaa acctttttaga tttttaccgg 240  
ttaaaaccct gtccccaaaa ccttgaagcc tcaatcctcc cacggaatgg aatccttgta 300  
tccagcggtg ggagaatgct tggcattctc taagggttta gcgtgggtta aacttgtagc 360  
aatagcgctt cacaggaaca ggatatttgg taaatatcct agatgctacg attctttag 420  
acatttatag gccccctgcg gtcgcagaat gagaactact tccgccaagt ttagatgaca 480  
aaggacattg atctgcgact gcagttgacc aacatagttc atagtacata ggcaacgtga 540  
ctgccagatg ctaaagaagc tgctgatcta accaacgaag tcagggtgccg tttattacca 600  
agaaagaatc cagaatcttt tcctcttctg gatgctgctg gtcattggcg atgagataac 660  
ttgcatctga aggtgcaagt tcttccggct cgtcactggg ctcgagcata gcaggcatcc 720

gcatatgctg tttgttgtga cttgaaaatg cgctgctaca tagtcagccc agctatgcat 780  
 ttggtcatgt aatactgacg gacctgaagc caatttgcct aacgacggca acggaatgtg 840

<210> 6189  
 <211> 484  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6189

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 ctaatggttt cttagtecta ggatcgttta cacaacgcgt ccgtgggctg tttgcggacg 180  
 ttaagctgac agtcgcaatg cttagtccat tgtaatgttc cgcgcgcgtt tccacgaagt 240  
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 tccccaggt gaccacattg aaagactttt gtgtgcattg cttggactgg tattgaatag 360  
 gaagaaggac gtggagtaag ctaccatata tgtttcctgc catacctctg ggccgatggg 420  
 gaagctacca agttacatac cattatgtct ctagtcatga tgctaacttt gcttgcgca 480  
 tgtg 484

<210> 6190  
 <211> 504  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6190

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 aggactcaga cgatttgcct ccgcatttat gtgcttatct acttcccctg ttcgggtgtcg 180  
 tgacagcgtc atggaacgca gactcatata tcgagacaca gacgcataca tcactccac 240  
 aggagattt gtcacgctga ccagattcct aggtgggccc atctcagttc cctcgatatca 300  
 gcctgaagat cggttccgtt ttggaatccg gacagagaac acccattttt aaataagggt 360  
 cgcagatgct tgccgcgcag agcttcgtca gaagaatcca ggccaagacg gagaagttgt 420  
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ccacccccac tgccaccaga aggg

504

<210> 6191  
<211> 891  
<212> DNA  
<213> Aspergillus nidulans

<400> 6191

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taagagtatt tgaaaaataa ttaaatgata agtacagacg tggagaaaat taatagggaa 180  
aattaaagag gaataacaat agagaactta gaaagatatg aacttaaaat tactaaatac 240  
caaaaattga gaggaacaaa aaaatttcgc aagaagattt caaataaaaa ctaatcaatc 300  
aaattatfff tatattataa aatgtacaaa gtcagagggt ggaaaataag tggatcggaa 360  
accaaacaat ccaaaaaccg gtggatttga ggacaaaagg tatttcaaaa tcaaatcccg 420  
ggctctccac aaaagacata aacaaaacca ttctcctcat cgaacggtca tgaatcatag 480  
gatccatggg atttctatat ggatcaatcg tacctaattgc ttgtgctaga aaagagaaaa 540  
gcaacgcata attctcaagc gtatacgtaa tacctcaacc gctcgtcggg gccatcctct 600  
catttacctt aacactcggg ttaggctaga tacgactgag tatttaacaa aacagaaacg 660  
ctggcgagtc agatagatga cccttagaat gagagtgacc actactgcat tttcttggcg 720  
ttcggattcg ggttgttgtt atccccgagt ccgacctcga aacgtgcact gtgactatgc 780  
agagcaggcg gacaggcggg agacgcgggt actggtgccc tgcttgaagt agacaggtta 840  
taccgtccta ggaatatgtg ctcaattctc ttccgagaca agactcaaga t 891

<210> 6192  
<211> 462  
<212> DNA  
<213> Aspergillus nidulans

<400> 6192

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ccacatccca agcatgacca tggcccccggt ctttgttgggt ctggtgaccg tcctgtcgag 180

tctcgtcggc gctgggtgttg tctttttcta aattgataga agctagtttg tcttatcgca 240  
 tttattttctc tcggagttct tctttttctga caggccggat ggtattgtat tgattttgcc 300  
 cggaccatcg taccctcaca aggccaccac agttgtacag ttggatggta cctttgtag 360  
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 ccgcagccat cctgggattt tggtataacg gcagaataga at 462

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6193

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 agaattagct agattcagct atctataaag catgccaata gacctacagg tgtctttaaa 180  
 aagaaatttg acattgcttt ggagaaaaaa aatcactaat ggtaaatgat gattctataa 240  
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 <211> 629  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6194

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 tgttgctggg ccgtggtacg atcaatagcc acgtagcttg tccattttcc aggtacggac 180  
 catctcagcc cgaggtgctg tgcttctgc tcaagaacct ttccaaatcc tgttggattg 240  
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atcaatgctt tgcgccaag atggtgaatg gcagattggt cagctaccgc ctgaattggc 360  
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 aacgagtcta atccactctc cagcatatag tagagcgtga aatgtgagga ggcattcagg 480  
 acagggatat ggtgcggaac ccgaacctac tctgggcgct gcactcgtat acccggaat 540  
 ctgccgctca gatgtcttca cggtaggata ctggccaaga tctacattgc actgaaggcg 600  
 agatggtgca acgctgcttc aacatttgt 629

<210> 6195  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6195

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 tatgtggagg ctattgagtc tttagaagag gatagccctc gtctcaagaa ggaagagcgc 180  
 aaggtcaagc atttgccgtt ctggaggaag tacattgagc ttcagcgtgc catgttcttc 240  
 cacaacaacg ccttcaccag cagccacca tacgcgagcg agccgttcca gtggccgttc 300  
 cttctccgcg gtgtcagctt ctggacaaag agtgacacc gcgagcagat ctacttcctg 360  
 ggtaaccctg ttggatggtg gatctccagc agtcttttag ctgtgttcgc cggtgtcatc 420  
 ggcgctgacc agctctctct ccgccgcggt gtcgatgctg tcgaagaaag tgagtctatc 480  
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<210> 6196  
 <211> 391  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6196

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 aggagacacc cctgttgag ctccaaagcc agcggtcac tctgcacgt acctatcgac 180  
 gactgcttgt cgcgctgcac agtcagcgga ggcactttct agaggtcggg gaatgtgaag 240

tctttcatac ctcccgctg atgcgaacgc gatgatgagc ttctcgagct tgttttccgg 300  
acgtacgcca tccgttcagt cgacgtggcc gtatccaaca gcctgcaagt ccttcgcca 360  
ccgggactcg tgagtgcg cggtgggtgcg g 391

<210> 6197  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6197

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ttctactgtc attccttagat cgaagggata tatccacatg attagtttca ggctcatccg 180  
gagcagtaag tctctctggc tttagaacga ggctcccctc cgtcgcggac tcatcaaagt 240  
aatgcaggtc acgtggatgc acttcaatag actgcagggg atcgacttca ccggagactg 300  
tctactcgctc gtgtggaaaa tacactgcag aagagatctg ctctgtcttcc tcatcatcga 360  
gaggacctga accgacatgg ggttcttctg tatccgaaaa gggagagcgt ggatggaagg 420  
ctttgcttct ttctgagtac tgagtggga tacttctcga gaaagacgtc ccccttgccc 480  
cgccgggagt aaggtgaaag ttccgaattt cttcaagaag gctccgcggc aaccttttct 540  
gctcagattt agcgggaaca tgctccgctg tataatcctc ttgagagtcg ccacccgcga 600  
acggcttgat cattgggata ttagcaagcg aaagctgaga taaacgtttc gaaccctgaa 660  
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<210> 6198  
<211> 691  
<212> DNA  
<213> Aspergillus nidulans

<400> 6198

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gagcagtcct agtcggaata taaacctgca agtaattcct cctcccatc cattccatat 180  
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cagtgtcaag cacaacccga taagtcccag cttgtttctac accgacccta taatcggtaa 300  
 aactctccgt aggatggaaa ttgaaaatcc atagcaaato cgcccgtca aagacaagca 360  
 ctttatctcc ttcgtgcttg agagaaatat aagcctgggg cgcattggagc cagccgtact 420  
 tggattctgt caactgcatg gcgcgggtcga actcgttaag gaatctgtag cgtagaaggt 480  
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 ggggaaagtc gagccattcg ggggtcccga attcgttacc ttcgaaattg aggtagccct 600  
 cccaccaag ggcgtgtgtg acaagccgaa aaattttgtg gagtaccatg cagcgttcga 660  
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<210> 6199  
 <211> 803  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aacccacgc tcgtacgttc ttgtaacgga gtttattaac taggcactta aacggaattg 180  
 ggcaacttac tggggcgggtg gaggggagta acctcgccca tgaaccttct gatcccttcc 240  
 atggacctca gactgaagat tcttctggcc cgttgtgcta ctagggcgcg aaggaggcga 300  
 ctcgacctgt tcgatgttga actggattga ctttctatga ggattatcgg tcatgtcat 360  
 gctcccggag cgggataatt ccgagacact ggcgggtccgc tcgtgccttg gtagtataga 420  
 gccatcttcc gggtcaggcg acgtatacgg ggatatggag gccatattgt atgcaatgtt 480  
 gtgttgggta gatggttagg caggaagagc gtagcgaatg tgggtggcaga tgccggctct 540  
 ggaagtcaag ggagtgattc gatcacgtag ttcagacaat gattggcggc tcaaccgcca 600  
 tgaagcttct gaagttcttc tgccggtcgt acgatgcagg agctgcagat catggtttgc 660  
 gataacgcac gagtcggaca agagcttcgg gtagatgcag tgtcatgccc ctgaagggtt 720  
 aagggcggag tcaatgaagg aaagaacgct ttaggctcaa gatcgtgaga gaagattgtt 780  
 tccagctttc atatagccaa ata 803

<210> 6200  
 <211> 616  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6200

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ccagtcctcaa tgtcttgctt acgggactcc agttcatctc gcccataact ggaccagcac 240
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cagctttcac gcaccacctc ctacactctg tatccgcctt ggggcagttc ttcacattgg 360
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taaacgaact ctcaagacat atcatcgcaa gcaccgcggt cgtcgcagca gcggtcggat 480
cggcctgggg aagcttgatg ctgtgtaatg cagtgtgcc cgggtcagta tttccgacgc 540
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aatagccac aacgtg 616
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6201

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agaagaaaac gacctgaata atcccgacca tgtgcctacc attacagaca ctaagaaatc 180
atgtccatag aacgaatccc atttacgacc tacaatggac aagtgcacct ttcaatgaag 240
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cacatcaggc acatacatgc acttgaacgg acagcaaggg tgaagagctt ttagactgaa 360
ataagagaaa cgcatatcct ttatagtata cccgatggaa cgctagccta cggctggagc 420
tccaçacac aggcggagct gaaccgatgc taagggctag taatgctcat gatgctggaa 480
cgctgtttta aactgggggt atacatatgc gtaccccgat gtgcctgact tggctctaaa 540
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 ggctgagtgc tttcacacga aaggataact tcaga 635

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6202

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 tcgtagccaa gcgcggagtc cttgtaaacc cgatgtctcc ttgaaatcat aggtctggca 180  
 gggtaagaca tcctgataag cggtagcagc gaatcaacag taggcttctc gtccctagcg 240  
 aatctaacaa aagaaggaaa gtgaggaaaac tgcaggccgc ttctaaactc tggaaacacg 300  
 aaaaaggatg caataactcg cagtgccgtc atatttacc cctcctgaaa cgctatcacg 360  
 cccagtttga agataagatt gtgaacgtct tctttcctcg actttctgct catgttaacg 420  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6203

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 gaacgttagt ctcaatgtta tcttgtccat tctcggttg gggtcggtgc tggtaaacaa 180  
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 tgttgtctct gacttttggc cgcgtcttcg cgaatgctgg ggacgacgat gatttgatgt 360  
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 tcccgaagt acgagcatta aagttcgaaa tttcctacca cgaccgtcag gctgtagccc 480  
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ggatgccata ccaagtagga ccgtacatct atgatggaga cggagtatgt accaacggtc 600  
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 <212> DNA  
 <213> Aspergillus nidulans

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 ctcgaggctc ttctcgagaa ccctagcact ctcccccaag ctctcaggat tcttcgcac 420  
 tgaactgcca ggattctctt ctgactatc aggatg 456

<210> 6205  
 <211> 489  
 <212> DNA  
 <213> Aspergillus nidulans

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 cggatttcgg ttacgttcat ctccgagctg cgcatataat atttccataa tgcacccccgc 420  
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 ataggaaag 489

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 <211> 239  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 tccatgtttg catagcgcag gtaaggacca aaatatactt cgttagtcgg cgctaccttg 180  
 tacaattcca cgccactact tggggggggg ccactaaacc ccgcgacagc tggtgactg 239

<210> 6207  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6207

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 aggggcctag aggacgtagc catggagaga aggggtgttc tctatacttg gtcaaaaaat 180  
 atataccaac agaagctgta cgtacgtacg taccaaaaca gtgacgcctt tccacacgaa 240  
 cccagcagac caagcaactc gacaacttga atagtatcag aaaaaacacc attacattca 300  
 actcgaatcg aaaacaagca caacgcgacc aatcacccaa aaaagcaaac aaaacccaaa 360  
 ccagtccaag cccaagcgag aagcaagctg aactcagccg atctagacta ccaaaactac 420

ctgaatttgc aagatccata cattgcatga cgcgtataga taccacccgc gccagagcca 480  
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taaaacccaaa cggaaccaa aactcgacgt acccccttgt aactgtagca cgctgatgta 600  
caccgctcac cctttttgaa gaaaggctga tcccggggca actgtctacc tactcaggat 660  
agcctcatac catgtttccg acaactccca tagcggaacc aggntaggac tcccgggtac 720  
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tccagaagtg gaaaaccgtg ccgca 805

<210> 6208  
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<212> DNA  
<213> Aspergillus nidulans

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cccatcttc ccaccttcat caagagatgc gcttccaagg ccaggatttg aaggcgggct 180  
agcgacgggt gccgcgctgg acgtaagcta ctccaagctc ggtgaatggt ggaacgtacg 240  
gccagatata ttgatagtcc ctagcatgct gccgccgttt gtcaaggat gatcctcaat 300  
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aaccctggca cgctctccaa gcgacgagca gcgggaacct ttgcgcagat ggccatccat 420  
ccgcgcgctg tgagcgagga agaacgggaa caaaagaaca taagccacaa gcgtatcgaa 480  
cggacaaggg tagatataat ctggatatga aagatcgtat tgtaaattta ggaagaggcg 540  
tcacgtgtaa taatgatatg ataatg 566

<210> 6209  
<211> 454  
<212> DNA  
<213> Aspergillus nidulans

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cacgcttttt	atatagccgg	ggcgggggtt	atatcggaga	ttctccgtgt	gattcagcat	300
acatcacaca	ttgggcgagg	cagcaatgat	acgtaggcaa	attgattgca	gcctctatta	360
tcgctgctat	atacctcctt	catcttattc	acatttaatt	atctctatca	acacgcatta	420
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<210> 6210  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6210

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<210> 6211  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6211

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<210> 6212  
<211> 525  
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<213> Aspergillus nidulans  
<400> 6212

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<211> 237  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6213

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ggatgaacta tgtttatgct gcaaagtagc ctcaacaaaa aactgactgt cgggtcaaagt 180  
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<210> 6214  
<211> 543  
<212> DNA  
<213> Aspergillus nidulans

<400> 6214

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<210> 6215  
<211> 628  
<212> DNA  
<213> Aspergillus nidulans

<400> 6215

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<210> 6216  
 <211> 1002  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6216

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 aataattata cctctttata gagaaaaatc tcacgaagac agtgcagcaa ttttgaccta 360  
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<210> 6217  
 <211> 642  
 <212> DNA

<213> Aspergillus nidulans

<400> 6217

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tatatttcca gaggagaaat ttggtcaagg gtgtaaagcc agtttccacc ctgttcttcc 180  
ttctcgagcc tatattctcc gtaagtacac ttctgaatag aacaatgatg atagaccacg 240  
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<210> 6218

<211> 604

<212> DNA

<213> Aspergillus nidulans

<400> 6218

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604

<210> 6219  
<211> 535  
<212> DNA  
<213> Aspergillus nidulans

<400> 6219

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ggtagttctg aatgccgccc ttgattaacc tcaactcggga tcatecttcc ttctctcagc 180  
accatcgatt tcaaagctat actcataagg tctcgcacca tgacttacca aatctctatc 240  
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<210> 6220  
<211> 586  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 6221  
 <211> 811  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6221

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6222

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<211> 234  
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<213> Aspergillus nidulans

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<400> 6227

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<210> 6228

<211> 448

<212> DNA

<213> Aspergillus nidulans

<400> 6228

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<211> 1340

<212> DNA  
 <213> Aspergillus nidulans

<400> 6229

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<212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 cgggatgcag cggcagtgnt acagctacgt cagcaagcga gacacccac gtagcttagt 420  
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 gga 483

<210> 6231  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6231

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 atatcattgg ctaataggga cccatccacc agtagcggcg tattgcaatt accatacacc 180  
 ctctctctct ggatcctctg attgacagat catcttccat ctctttcttt cacagaactc 240  
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 tggccagcct tgaccgaaag agtgcaatac cacataacct tcaatttgaa atagcaaaac 360  
 cgaagctgcg cggactccgc cacaaaagct ggttcctaag ctacaggcct cagcaaccc 420  
 ctccccctt tctgttgcat gggcatgact ccagggtgct cggactcgaa cagtcgctgc 480  
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 agggg 545

<210> 6232

<211> 237  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6232

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 ccgggggtgt ttttttttac taagcctcat attgcttctg cacctgcacg gggcttagct 120  
 acttgtgcga acgtacgcta tattcatacc catatccagt ccaatatcac gcgcgggctt 180  
 cagaaccccc ttatgccgga ctgcgggagct gtacctatac ctgccgaacc ctagggg 237

<210> 6233  
 <211> 435  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6233

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 ggcagcttta cctatcagat cggcgccaac acagcaacag acttggcata tctagctcgg 180  
 aaggcacggt accagacgca gaaatcccca gcagactggg tccacgtcga agatgtgaca 240  
 ggcggcacat gcgccattgg cctttggggc ccacgcgcac cgaacgtcct acactcattg 300  
 cccttaccta gagagacaga catctcgaac aaatctctcc cctacatgcg cgccaaagcc 360  
 gtcactaacg caagcatccc cgtcacgttg gtccaggaag tcctacgtcg gcgaatacgg 420  
 ctgggaaatc cagac 435

<210> 6234  
 <211> 513  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6234

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 ggagaagtct ttacggaat gacgggagtg ggatcgtcga gatcccacca aacacacgca 180  
 cagcagtgat ccttgagaac gagtcctca tcacggcctt tttggaacta agattcagag 240

ggggcgctgg ctctaccgtc accgtaccgt gcgccgagtg cttcgagtac ccaccgccag 300  
 aaggggaatct gaaccccttt gcacggaaca agggcgacag ggccgatact tcaggaatcc 360  
 ttgttggggc agaggactcg tatactgttt cctccagctc cacgacagag caggagtgga 420  
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 cgcaaccctt gcagataacc aggctgacat acc 513

<210> 6235  
 <211> 1069  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6235

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 accacggaca tattccccat gatgagggca tcatgtgtct cgccttcagt caggcgatta 180  
 ccgaccagg tctgggattt cgtcgtgggt gccaatcca tgatttaaca tggtgaaacc 240  
 tttggctatc gaacgcaaga tcttcttgta tcgcattttg aaggacacg gcccatgaca 300  
 gacctcattg tgtttccact tagataccat ggcaacgaag ccacaatccg agagaacctc 360  
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 attggcacag gacagtccga gttccatgga ggtaaagcaa ggcgtattgt caaaagccgc 480  
 attgtgattg acgtaagagg atataactcc ttcaatcccg attacgcggt ctgaattggg 540  
 gaccttgtca gtatcgtggg caatcgctcc aaggcgtcag gaacgagaat aatacgaagg 600  
 cccaatata gaagcgacgg tcaaaattta tatagtcttc ctgctcaggc tatagcccc 660  
 ctaccatccc aggatatatg agactccgc ttccaacaag ataaaagcca ttttttctga 720  
 cgagcagcga ctggtgaaac cccatactt cgacggggct acaggatatc tcctggaaca 780  
 ccaaggcatt tgatttctta gtctaccac atgccagca gcacctcaag aaatttatc 840  
 tagggtttgc ccgagcgcaa tgtcggcgat cggataactt cgacgatgta atacacggta 900  
 aaggtcgtgg actgattatg ctctgaagg gccaccagga gttggcaaga ctctctcagc 960  
 agactctctc agcagaaagc gttgccgaag ccctcaaggt gctctccttc tgctcgacga 1020  
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<210> 6236  
 <211> 557  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6236

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 ggtttaggaa acgctagcgg ggagatgcat ccgatgggag gacataagca tcagctatgt 180  
 caagaggaaa cacaatcact gtcactaaac atggcagggg ctaacaacct gacagaaagc 240  
 tatcaacgta gctaggaata aaaactccaa aaaacaccaa aagcatacta cgatgatgac 300  
 attatcgacc ctgaaacaaa cctaattcct agataaataa agaaatatta taattataga 360  
 cattaggcat aaaccacacc atattactag tatgaaatga cttatagaca aactactaaa 420  
 ggacctagta caaagggact gaatgataga ccccatagac tgactaaaaa gactataata 480  
 ccagttgcaa ctgttctgcc tgtgtaacct attgaagact acctacaaca aacaaaggcc 540  
 tatgtactgt acataag 557

<210> 6237  
 <211> 428  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6237

tgaggaatat aggctactc gctctttacc tgtttcgagc ctggttattc caccggggag 60  
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 cagcagtaca tgcgtatggg cgggatgctg aagaagagcg cgcgacgaa acaaaggctg 180  
 tttccgtaca tgacgaaccc ggtgctgggg catgcccaaa acccatctta cgaccatcag 240  
 gtcaagcacc tccatcgtga aaggcaaggg ccaggctacc tgccctccggg gaccaaggc 300  
 caaatcgagg aaatcgacga cgttgtgccc cagggttagcg cgctgcatga cttcaagcgc 360  
 ctcccgcata cagttctgta tccgcaaatg ctaaagtact gtatggatgt gaagactaac 420  
 tctctggg 428

<210> 6238

<211> 675  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6238

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cggtagtagc ggtgagggag gctattaaga tagacaaggt tgaatataag gaaatgaagc 180
atcttctgtg gacatttgac cgcaatttca ccttgtagta aaagaactac ggaactagaa 240
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gaccaccaa gggaaggcaa actgaaagtc gcgccctcac gtgatcgagc acccttttgg 360
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tctcatcact cattcattct cattcccaa cttggccaat tctcgccagt gcgcatgttg 480
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ttttaatttg agtac 675

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<210> 6239  
 <211> 548  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6239

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tgacatagac catagaccaa tacttcgagc gacaaaacct acgagacaac aaatccccgc 180
gcaaacctcc cggtaaatgc ccgaattctc tttcccaca ggtaaatacg aacccccaaa 240
aggcccaatg ctgccgttaa gcccgcaaat gttccaaatg cgccatcata cccgtgagtc 300
tccacgaacg ttgcagtacc atagctggtg ccgaacgaga taataccccg aaatgcacag 360
ataatgacga gcagaggacc tgcacgagca gggtaactat ccagtaagta agtgatcgca 420
acgatattgg cgccaacgaa gcagaaatag tacgctgcga cggcccagac atacacaaac 480

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cagtgggtact tttccgggta ctgtccagcc tggccgtaca gaactgcgga tntcgtaccg 540  
atgacgat 548

<210> 6240  
<211> 525  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6240

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cagatgagct ggcaatggac gcagatgtgt attggcgctc ccgcaatcgc ggtcgcgacg 180  
attcgccctg ggctcgctca gacgaggaaa acgatgagaa cgaggccgac gaagaggaga 240  
atgagaatga ggacgacgag cacgataata tgaacggtga cgataatggc agggaggcga 300  
atgggagtcg cgaacgcgac ttggatgaaa tggatactgt gggggagaat gagccggaga 360  
cagatccaga tcgctcgccg acgcctgtac caccgcccgc gccgccaaag ccagagtccg 420  
tgaattatcg ccagaagttc ttgctcagag ggcatttacg ggggggtgctg gctgtgcat 480  
tctcgccgga tgcgtctatg attgctagtg gaggttcgta atttt 525

<210> 6241  
<211> 347  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6241

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cgggcatggt ctctacaatg acgtacgggg catgtcgggc tatcctcaga tgcctatgcc 180  
accccaaagt catagcatgc aaacaggccc taggcagata caccagcagg gtcctgtttc 240  
ttttcaccg ccaccagaaa atgtgatgag ggagccatca tatccggaag aagctgagcg 300  
aacacataat gctcccagaa gtcaaccaac gccggcgcca gttgttc 347

<210> 6242  
<211> 745

<212> DNA  
<213> Aspergillus nidulans

<400> 6242

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aatatgtaac ttttcacgac tcaagcagcg aggactaccg tgcattatgg gacaaaggcc 180  
cataataagt caacaactct gccacctttt aggcgcgaat attaaagctc ctggcactag 240  
aagaaatgca agccgcgaat cgcattcaga aagccctcaa agcaggcaca cccgcttcgg 300  
tgcttggcag atgctccccg gcacaaacct gacttgcacc atttgccggt ccgcaccgaa 360  
catcgactgg ctgctcgtcg acctggagta cggcaacatc tccgacgatg gcataacacg 420  
agatcgttgc tgcagcggcg gcttgcagta cctcgccgat tgttcgcggt gcagaggggtc 480  
agctttggat tatcaaactg gccctggacg cgggcccgca cgggatcatg gtaccgatga 540  
tcaaaaccgt cgatgatgcg aggacggtcg tggagtatag cgtgtttcct ccgcgaggga 600  
agaggggttt gaggcgctgc ttgcggcgga tatattcggt tccaccgcca cccacgggca 660  
gattagacag ctgaccggcc tagagaatct gcagctggct gatgaaggct tggtgattgc 720  
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<210> 6243  
<211> 956  
<212> DNA  
<213> Aspergillus nidulans

<400> 6243

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ttccacaaaa tgttatttca aaaaaacca gtgccagggtg aaatctgggg ggttgagccg 180  
taggggaatt gcaccccaaa ataaccacat ttctgtggct tgatcaaaaa accaatttcc 240  
gcgactttat gtttaaacca ctcacccaaa cgctgttagg tcctgttcgc gtcacaagc 300  
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ctcgccggcg atcttcgtaa ctaaagtct taatcgttcc tgggcatggt cgggcacatg 420  
gatgtcccta agctagcagc tgccagtact cgtccaggta tccgccccg gaaactgcaa 480

gcccatgccg atgattgcga tgggctctaa agtctgtatt cttgctctca cagcgttcaa 540  
 tggagcaggc acagttgcag gtgagttttg cacgggcacg tccagtatcc gctgcacaga 600  
 aagacgagcc tggcgcagga cggaaggggg aatgcactca actagactga attgaacgac 660  
 gcttgtcttc tctccgttgc tgcgcttatg cagagccgtt gagatagacg cataccaatc 720  
 gcaacgctga actagtatgg actgaagcag cgtatcgatg atagaatccg aagagagaag 780  
 ctgcccgtcg atattagagt atacgggagc gagcaactct gagtgggaaa actgaaagac 840  
 cgggttcgac gctaccagat tgtacagacc cacaagagct ttctgatgtg cgggatgggtg 900  
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<210> 6244  
 <211> 806  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 6244

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 gaagggttcc ttgtgccatt ggagcaacgg taataatagc cctgtccagt ttttcccttc 180  
 gattctatta tcagacgctg acatcaatgc atagactcaa cgacactcag tactaacca 240  
 cgtcaataag caaatgggac ccgttcctgc aaatggtcgc agaaggagat tcctcgtttc 300  
 tcgtcacatt ggcagaggca atggttgatg aactcgcatt cccagcgtca agtttaaaat 360  
 cagatcccaa atcagatcca accctcaaag gcacttacac gtggctggac catatcctgc 420  
 actcgccgca gtgggagtcg caccgtcggg taatctcgct ttcttatata cgggctatct 480  
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 ttgaaaacgg aaagaagaaa gggaagggga aagggaagag ggaaagcaac gcgggcgatt 600  
 tgctgtggt tgctcccga ggcgaggcat ctactgcagg tgattcttct ggtttgctga 660  
 atataaatca ggaggatata gagacattaa gaanggttgg gtgggaaccg ctgagacgtc 720  
 tgggtgggat agtcgggccg ttgggggtgg tggtagatac ctacagcatt tctaatttta 780  
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<210> 6245  
 <211> 971  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6245

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ccctgttgca acgagtcac gaaaccgctg tcgggagatt tcaatcgacg atcactgacc 600
gggacggaag cccgagagtg gagcaacaat ctgccttgt ggagtgggtga gcaaagaagg 660
accagccgcc gtttcaactc gctctggacg cgggcttgcc tgagccctgc gagcgctgcc 720
agccctaata tagtcctact gcttttcttc ggggctgttc cgcaggccga ctaagataac 780
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ttccaatgga tactccagac cggaaatctt cgttcttctg gggagaaatc ggtgctcaat 900
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<210> 6246  
 <211> 684  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6246

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cactcccttc gaagggtagg tccggacgta gggactgtcg gctgcagcga gggtcagata 180  
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 ttgatctatg gctacattga aaacacgcag ttgaccaaag tcctcttccg tcagggcttg 300  
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 atgatcatct tctggtaact ctggtggagg cccagctgcg gagctattcg taccgcatgg 600  
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<210> 6247  
 <211> 671  
 <212> DNA  
 <213> Aspergillus nidulans

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 gccggtcagg ttgcccagcc atttcacgtt actgacggac gccgcagggtg aagcggctcc 180  
 gcattaggga attacaatat gatggagtat gttatatatg catagaaacc atgatcggac 240  
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 gttaccagc tcacaggcca cggttcgtcc cgtctcctcc aagcttccag cggaaccagt 420  
 tcatgggaca atgtcccaca aagcttagaa atcaatgcaa cgcaacaggc actgagacaa 480  
 tgtgacagtg cgtcatgagg atagatcttc tcgaccttta cgagaaatca cgatgcctgg 540  
 aaatgcttta aaaaggactg gcactcgggt tctcgcggaa acgtatagtc gccagctagc 600  
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<210> 6248  
 <211> 673  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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cgatttctat gatttgagct ctgcgatcc cggcagctta gccaccagac cacaccaccg 420
cgaaaggccg ggctcggaga caggcacgga taactcacat cggtagctgc tcgacgacca 480
ccaccaagac aagaagagca gacaccatt tatagcggtt ttgagcgagt caatcgtgga 540
gaagaatgcg cagcagacat ccaattattc aagggcggtt ggaagagaat ccggtatgat 600
aacaacaatc cgcttcgggc cgggaggtga aagataggtt aggactgatg tgatatctca 660
anaaaatcga aga 673

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<210> 6249  
 <211> 573  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6249

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accgtagttg ggttcattcc ttggattcat cagataagcc cgacttgacg cgaccaatga 180
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tatgtgccgc cgatgccgtc atcatcacca accggcccct cgactctggc cttggattcg 300
ctcatccacg gcttgggagt gacagcataa cagaaataa tccgcacttc cgtgaagcct 360
aatggcagca ttaggcttta tggtatctca tacggggacc aaattgtagc aaaagagatt 420

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gtactccatt gatgatgatt gaatctgagg acaatagctc tgagcgtgtc agatatatat 480  
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<210> 6250  
 <211> 388  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6250

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 cacgangcaa cgacacatct gatgaacaaa agagccggac aaggcgaaac cggaaagctc 180  
 agacgccccg tcgggacagc cgagaaagcg aaagaagggc aaggacacga cccggatgaa 240  
 caagacagcc ggggaaaggg gagggaaatc gctgcctggg gcagaaaagc tatggagaaa 300  
 agaaaaggaa agggcggaag aacagaaaga gggaatgaac tgagaggcag aacaacgtaa 360  
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<210> 6251  
 <211> 694  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6251

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 agaatgtcct cttcttcgac cccatttccc cgggcaaact cgtcaatctg gcttcgcgtt 180  
 gcagtatact gcccaccaa gcggtgtcca ttatccgct cctccatgtc ttcattcca 240  
 tcgtcaacag cgatggaggt gctataacc gcataattat cggcaccttc acgatcgtag 300  
 agggttgtat cgaatgattc ggtcaaggag gcctttgtcg agttgtcagt gcgctggta 360  
 gacggatcaa aggtcctaga accttttttc gcggccgctg ccgcattgct ctcagcctgg 420  
 agctttcgga cagcgtcgaa atccgctgca gccattatta gcgaagcttg cgatgatttc 480

agaattggag tcttaccgtc agacatgttg tcgaaggaaa agagctaaag acgcgatgta 540  
gagcaagcaa cctcgggaaa aaacagtagc tgccgctaca tccggataaa aagacgtaag 600  
ataaacgcca cggcgatggt ttggagtcag gaggtggtat ctgagggtgc accngnacgt 660  
gaaaaaggat gaagtcaaga caaagtagat gact 694

<210> 6252  
<211> 603  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6252

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ttcgcgtcga ctggtgaggt gcagattgcg aagacctctg ggaacaatat taccgggtac 180  
cgcgccgcgt tatatttcgg agtcgcgatt agtgccatcg cactacttct tgatgttgca 240  
tttgcgagga gagtcaagga cgagcgagag ggggtgggagg agggagacca agacggagaa 300  
gcgattgagt tggctcaggc tgccacgacg ggtgctcagg tctcgaggct cgaggcggga 360  
caggggtctt ctgtcgttca aagagtcgag taatctctca atgacatcct atccggttaa 420  
taattgatgt gatagccctg atcgacactg cgctgatgcc aaatggaaac atctgctaca 480  
acgctgataa cgagaatcga ggctggtgan cgacaacatt gggttagcga ctgttngaca 540  
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caa 603

<210> 6253  
<211> 488  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6253

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atcctaccag acgagcagct gtacaggcag cctgagggga cctggcgcggt gcggtgtgct 180  
gtctggtcat gtaggggtgc tcaggacagc taccaggctg ggcaaggaca caacagggaa 240

gcttgtgctc gcgattgcgg aatctccatc ggatggagta cagatattga tggatttgta 300  
 cgctggcggc gaacgactgg tgtacggtgc atagatctgt gtacagagat gatgtggact 360  
 ctgccgctaa aggtctgcat gctagggggg gacattgccg ctgggctgat gggatgtacg 420  
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 agacctta 488

<210> 6254  
 <211> 764  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6254  
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 aaaagatctt actcagctta agttttgtga aacgacttga tatctaggct cgtcagggtta 180  
 tctgacttta agatctcaga agaaaacaaa tgaaggagga gtaagtgtga gtaggggttg 240  
 atgtgtttgt tgtccttgct cttctgctcg tctttctctc ctctaaacca ctaccgctg 300  
 tccagcccct cactttgtcc gcacctaaac ccttcccaaa ctctttgcca ttctaategt 360  
 ccgctctact ttctcttggt ttttcggcgc cactttgcct ctctttcct ttaccttcc 420  
 cttctcctac atcgtcttca ttctctcggt ttctcaactc tcttaactaa tcacctactt 480  
 cctcgacaat gcgtcatttc cctatctcta tcgctcgtc cctcactcat actctcttta 540  
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 cttctactc tctactccta ccttctctac tctcatcctc tctctcatc ccttattcac 660  
 atacctgtta ctatctctc tggcctctca catctatcct ttcctttcat cctccttcta 720  
 tcactttaca tcttccttct cttcctttcc catcccttc taat 764

<210> 6255  
 <211> 637  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6255  
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tatcgcttgc atattagatg tcttggtcct tggtcgtatg atggcatagt cggatctatg 120  
gatatctcgt tgggcgtcag gcttctagcc cgtcggatcat tgagtgcgagc tggctcgagg 180  
aatgattgct tgaccctcgt tcctgaagct ccggtagatg aggtcattac caacagcagt 240  
ccattgatat agcttgtatc aagagattga tgtttagcttt cccagcggac tggccgtgtc 300  
gacacctgca atgcgctcgg ttacaacggt taaaatatcc tgcgacactt ccgccaagga 360  
cttcccagca tcaattattc gaatatcggg agcgcgctga aggtcgaaga tggatttgaa 420  
cagctcgcgt acacgagttt gcatggcttc gttctcgtag cgctctccac cgaatccacc 480  
acgctttgca gcctcttcgg gagatatgct gaggaacaga catagatccg gctttggtaa 540  
accaacttcc ggttgccatg cccataccag tgaaagagaa ggattggcct tcgcagccga 600  
gtagacatgc accagagtct ctgtatacta ccgtcgc 637

<210> 6256  
<211> 522  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6256

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ggtgaatgcg cacaagcggg tgaacggtgt cgacggggtc ttacgcacc aagccaccag 180  
taaggcgggc atggttgatc atcttcgcgg acgagtggac tgcgcttaga gtgtcgagcc 240  
acgagcagag ggtagcggac aaacgcctgt actgcagcgt tagctctgca tatacgggac 300  
tttgacgaa aaatacttag gcagactcac ttataagcca aatcggtcgc agcaaaaacc 360  
gtatgcctc caactttggg tccttcaagg agtcccaaca tgacatagcc aggcggttga 420  
atctcatagc tcacatcttg atgccaaagg gtggtgagtt gtggcgctgt tccaaaaagc 480  
gacagatttt cttcgcgggt tccatcngcg gtggaatgat aa 522

<210> 6257  
<211> 804  
<212> DNA  
<213> Aspergillus nidulans

<400> 6257

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attccgccga gttttctctg atcccaggaa gccggagacc cgctctggaa gggattgtcg 180  
tccgtaaaaa cactttcgct cttaggctct gccttgaatt ccatgtcccg agactctacc 240  
tgcgtggggg tcagatctct tcgatgtcta ttcgaggtgg atggacgagg cgtgactgta 300  
ttagaaggca caggagtcgt aagatgctca tcagtaggtt ctgcttctgt cttttgcgac 360  
cgccgtgatc tggtagtctt tctgaacgac ggagtggcgg taacactagc ctcctttgta 420  
tcaacagttg atgcgcgtgc gctggcttta gaccgacctc ttcgcccgtc agtagacacc 480  
gacgatggcg ttggtgcgat gcgatccgc tagaagtctt gttcactaat gactgacgac 540  
tagcgacttg gcatgtttgt gattccttcg ctggctcttc tcactctctc gcgctcccg 600  
aggagttttc tcgctgagg aagaacctca tcttcagaa tgcggataag ctgggccttt 660  
ttggccgatg cgggatacgg tacgtcgtga ctgacgagga tagagcgaag acgtggcaca 720  
gtcagagaat tcaggtcgaa gtccggagac aaataatcga aaacgtcgga cattgtcgag 780  
gacacgatga ccacagtaag aggc 804

<210> 6258

<211> 712

<212> DNA

<213> Aspergillus nidulans

<400> 6258

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ccccggtggg cttgccctca ccggaggcga tagagactgt aggacgagag gccattgttg 180  
tcgacgtgag gctggttgtc gtcttttcgag gttgcggatc aaagtcgctc acgaagttgg 240  
tcgaaatttt cgcttagttg atccatcgcc cggcgtctgt gcggcaaagc cctagccctg 300  
cgatgaccgg attggggcag ttgtcttggc gggtagtgag gcctgctacg tcaggcacca 360  
acggctgttt atcgttcaag aacactaagt tcgacgacag gtttattaac gggagattga 420  
gtggataatt tagataagtc gattacacac gtggtagtgc tgggcgaagt ctccaagctc 480

ggggcaccct gctgttcgtg gcggtattcat gatctcctcg ggtggctgtg ggtgacaact 540  
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 gttatatgag attgagtttc cttgagcgag cccgtttgtt gcatgaaagg tgggggctcg 660  
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<210> 6259  
 <211> 569  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6259

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 taaggcacat ggaagtcaca gttgcaagga gcgctctggc gtcaatggc gcaagggcag 180  
 ccggtatata gttcagaacg gggatgagga tattccacac aaacgcaact gcacgcggtg 240  
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 gttaacacag actgatcaga ggaacacagg ccagaagctt gctatacctt tgcagggttac 360  
 cttgcgagca ggaacactat ggaaaattac agactaggta ccccttttac gacttgatgc 420  
 actcattact gcatgatgct agccaggagc acacttgata cttcgatgac caacataaaa 480  
 cacgtgagac cgttaacctg atcacttact gtgtagaagg attgtatata cggctcttat 540  
 ttagaaacag ctagaacacc tgcataagg 569

<210> 6260  
 <211> 523  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6260

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 ccaaagccgg agaacaagcg caacgcgtct ggacagcagc agcagcccc gcaaccacag 120  
 ttccatcgaa cgggccttcc cctcctcca accgccaata tccgccggcc agtcccgcg 180  
 cctccagagc aaccaccatc gccctacccc tcgcagcaat atcaacaacc tcgtccta 240  
 atgccgcctc ccgggctaga tgagcccggc ttcgccccga atgccttccc gacgcagcag 300

tacattgagc aatcccgcgtg gtatgacagg cttcttgacg tctctctcgg tgaagatgaa 360  
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gcaccaccgg gcgtgaagtc tctcgaagaa atcggccgct gcggtgcggg ggcttcggcc 480  
atggaacggc gaggatagcg ctgcccgaag agtgctggca gat 523

<210> 6261  
<211> 612  
<212> DNA  
<213> Aspergillus nidulans

<400> 6261

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cggatatgcg gtgcgcccgg tgtaggaag acgtctggga cgggatcgta gtgccagagg 180  
ccgccgactc gatcacggcg ctcaaatacg cgaattctgc tgaaggttcc ttcatacaacg 240  
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cggggagcca ttattcctca atcttcggtt gggaaggctt gaggatattg ctggcgcgta 360  
atatattgct gaagattatt taaggctcgc aacgcgagtc aagtgttgcg tggatcatgta 420  
tgccccaaa aataatgtgt cgaatgcaag gctggaagcc gtgaaggccc aataggccaa 480  
atcacctgag aactgaaaag gcacacaaaa gcctcaatta accggcaaag gactaaataa 540  
caacggaccg tataaaatag cctccaatgt ccaaactcct cagaactttg atgaccacta 600  
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<210> 6262  
<211> 494  
<212> DNA  
<213> Aspergillus nidulans

<400> 6262

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aaccggcagg caaactggac acaatcgaag ggagatgcta cggacacaca gcgactaaag 180  
gcaacgcggg gcgcttcaat tgaggaagga gctgccccga cgagctatga ccgacgcctg 240

acatctgtgt taagacacag aaggaacgac ctaagaaggg ccgtaccata gaaaccagtg 300  
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 tcttcgagat cacaaatcca ggccaaacag gcagcccaat gataggctgg atcaggcccc 420  
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 ggaactgcaa atat 494

<210> 6263  
 <211> 588  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6263  
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 accaggaggt acatcatacg ttgcgatgca catttttagc cagtatcaaa catctagagt 180  
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 tacacatcat aatgcaatag gacgccgaca taaaaaccct ctacaaacaa gctggccgcc 300  
 tccaagtgat aatatgtggg cccaaaagat gacgaaaatc aactgtaggt cagtacctac 360  
 tgaatcacct ccttagacca gcacctcaac ctgaattgaa ctacactaac accgacggaa 420  
 tcgacttact agaccttgac caccggacagg ctgaattatt gccaatgggc caagtctatc 480  
 tagctcactt acgcttcaat gttctcagtc tgtcattcaa gcacctttct ttgaataaccg 540  
 agcgcgaaag gacaatcatt tccccacacc atattatggc tacattcc 588

<210> 6264  
 <211> 625  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6264

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 aaggagcatc tgttcaccac caaagttttg gtttaaccgg tttctttaag ggaggcagcc 180



aagaggggga aattgtcggc ggatggaccc cccttaatcc aacggccggt gaaaataacc 240  
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cgctatggcg ttgatcaccc ggagataacc tgggattccg ttagccaacc cccgttttaa 360  
ttcaatctac ttttattttt aatccgaccc ttactggtat tttgttttta atctatatatt 420  
ttaattttta ttactattc ttttatatcg ttatttttta tttcccttct tcccttttcc 480  
ttttctcctt tctactttct ttactattt ttttttttta tttcacctgg ttttttttct 540  
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tggtcttttt ttcattatta tttaa 625

<210> 6265  
<211> 979  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 6265

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tgctgagggg cgagaatgat tagggatttg atgttaaaag gtcaggggaa aaaccagtgg 180  
gaaaaattga gacaatgggt gattaaggaa gtggtaggag ctatttgtca agactgaggg 240  
gggcagaaaa agttaagggt ttaaggaaga taggtaggga gaaagcggat gtggtggaat 300  
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gcggtctgca tagagaagtg gttttttccc gagctttgca aggggttaga tgaaaagagg 420  
atgtggggcc agatgatgtc tgcaggtgaa tctggggatc caagtgtatg aatacggggg 480  
gtataatggg acgcgaggag acgctaaaat aagtgggaac ccgtcagaat gagaagaatt 540  
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<210> 6266  
 <211> 705  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6266

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 aagttcaact ccgaaagtgc ctacgagtgg aacggtaaag actttactac agacaagaag 180  
 aaagacatcg gaatccactg gattaaccct gcgaagcgtg agaggaaaga gcagttctac 240  
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 cctaaagtgc ctcgagcacc gaagcagatc gctattcacg actggcagtt ctccctcct 360  
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 gttcctcttc ccgatggacc tgaggaactc acacaccgtg aggcggaacg tgacctcgag 480  
 caggctatga ttgacaatgc ggcgcctctg actgaagcgg aacaggcgga gaaaacgaag 540  
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 tctgcaaatt tcggtcgac agactacgcc ggcatcgta ctgaagtaga cagcaaggac 660  
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<210> 6267  
 <211> 966  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6267

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 agaaaaacac tgctgtgccg gttcagttta aaagaaatcc agccagtccc gggggttctc 180  
 ctgctgtgcg actgttagct cccaatttc actttagcgg gtaggacaaa aatccacctt 240  
 agggttgacg agccctttat acaatcataa ttatttggca tacattgtga caggtatagc 300

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ccgaagtctt ctgcattctt gtgcggcagg aaacgtcgca ggcgcccggt gctaattgtt	480
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gggagcgtga tacaggaagg gtttggtatct gaagtgaata aaccggatag ggtttgcaaa	600
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ctcctttggg tatggagcca cgctagttaa tccttaccaa agtgtgggag cgggcgagat	780
caaccgccga cgggagactt ggcggttggt ctgaccagcc actggcatcc cgccagctt	840
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6268	
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ccccagccg tcgcagaatt ttattgcaca tatcatacat cattgtaatc agaaacacgt	180
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<210> 6269  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6269	
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gtctgagacg cagatggccg agtcgagggt ctcgactgc gactctgaaa atgagagcgg	180

cggtaggggc ccgtagggct ttccgtcctg gatttcgagt ttctttcgta gaattgcctc 240  
 ttccagcacc catttctggc gaagtttcgt cttcttcgca ttgagtgcct gcagtatggt 300  
 tgcttcttcc tgctgggtgct ccttctggag ctcgcttagt tcggccgcat gcttcttggt 360  
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 gtctctgagg acttttattt tggcggcgtg gagttgagac atggacttcg taatcgtggt 480  
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<210> 6270  
 <211> 498  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6270  
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 catgatgtct gccctgctcg agcttgcgaa gacatcgta aatgcgatcg actttggagt 180  
 gaccacgagg tgccgagcag caccaggcta gcaccacagg cctgtgagga gaggatcacg 240  
 atgatgaggc tggtgaggat tgaaagggaa cagaaagaac tgaaatgctt ggggaaacaa 300  
 aaactactgg cggaatttca tagctaaaca gcttccgtct atctggctac ggatagaaag 360  
 tcacttactt tcgaagatac aatacaccca ttgtgtccga caatgccttg ctacgcgcgg 420  
 aataactctg atgcccgtt aactgcaggc cacaggaaca ggaggatgca gtcacagata 480  
 ttacctacgt gctagcta 498

<210> 6271  
 <211> 676  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6271  
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 gaagactctc atagtcctgc tcgagattag ccagcttctg ctccagttcc attctgcggc 180

tgctctgcag	cacgttcagt	tcgctccgat	cattcacggt	gagttccgcc	tgctcggatga	240
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ctctgcctc	ggcaatctgg	tgcaaggaat	caacgcgttg	gataagattc	tgaagcttcc	360
gctcgtgtc	agaaaacact	tctccgcca	gatcgaagcc	agccatcatt	ttagccatct	420
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ctacatcgag	gagttgttgt	ttcacctcgt	ataactctgc	tgtcaactct	gagttggctt	540
cccggagact	gtccatgggt	atagcagctt	ccttgctttc	gtaggatact	ttctcgagat	600
gcaccttac	ttcttgactt	cggcattgag	ctttttgttg	tccttgcccc	atcgtgctga	660
attttctttg	agcgtc					676

<210> 6272  
 <211> 549  
 <212> DNA  
 <213> Aspergillus nidulans

<400>	6272	
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aacctgaagc	acatagccag	cagccttgta ctcgtaaac aagttttgga aagtcggcga 180
atccatacca	tgacgggcaa	cccaggcgcc agatgcagag gtgtcccaga tgccagcata 240
gtacaccgta	ttaccaattg	aataaccatt gacgttgatc aagcggatc cgtccttgag 300
ataagtgtcg	aacttcttct	ggatttcgc cgcggtcatc ttcgcccacg cccaccaggc 360
ggccccgtcg	ttgatcttct	cccacagtgc cgcaaagcgc gcctcgccat tcaccttgta 420
cgcactgaca	tgtgtcactc	tgtacccttg ctgatatag gtattcggtg tacttctgca 480
gggaagcggc	atcgatgttg	tggcgcgcca cccacacgcc aggcgcgggc gacttgtcca 540
gactgcggg		549

<210> 6273  
 <211> 1042  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6273

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 taacgacata tcattatccc gacccttccc attccactat ttctccacca aacaacacag 180  
 atgcagacgc agactaactt tccgtgatat tcgtcctaag aagcctgctc agctcccgac 240  
 gcttctggcc agccaagtcc gccaccgcaa tagccttctt cgctctctga cgacaatctt 300  
 catccgcaga aacgaggaag aatttgaccg cctgagaaac gcagtcgttg caagcgactg 360  
 aagatcgtct tcttgacatg cagctcgagt attgaaatgt gaatccgaat tgctcactgc 420  
 gggctagtag gaaggcttgg tcgaggatta actcaggggg tggaggcatc tgaggaggcg 480  
 ggggatgtgc tttttgttac tatgataatg cttgggaagt aagctgatga taacggctta 540  
 gcgaaggaca gtaatagggc tcttttgtga tatattcccg gaccacggtt gaggaactgg 600  
 gccggccctt aagactgggc ctgcaaaact taagggaac gttggggaaa ccaagaagat 660  
 ggcttgacg agttcaactt tgataaatta agcccaatca gtgggggttac caggaacccg 720  
 ggtggtcttt gaccagccag gttcctttgc caggatggtg tggccaagct tttattgccc 780  
 ctgaaatctt ttcagatggg taagtattct cttatagga cttcggccca ccctttttgg 840  
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 cataagagcc agttgtgctc tttctggccc tccgcgcttg gcttctttgt gacatgtgga 960  
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 tctcttctac ttctatctt ct 1042

<210> 6274  
 <211> 465  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6274

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 ctcagcaggg gtcacatagc tgggtctccac gtcaccaatc agccagcgca gaggcgtccc 120  
 aggtgtctcc gcgggtccgt cctctatcgc aatcatcggg gtcacttatt cccaaatacg 180  
 gctctgggtca tccattctc catctcctc caggagctcc tatgtctctt ttgggtcgaa 240  
 cgcactctcc tgggctttct ccatccaatc ctccagggtc gtcggggtta gttccgcgac 300

ctccaatggg ccatgagtta cccacatatc ctccacattc aagtccttac atgaaccagc 360  
 tccggggatt tcccgcccc aatggtattc ctgtacttcc agggatgaac ggcacacgcc 420  
 caatgcccc aggtcgagga ttcctctttg atgcgcccgg ttttc 465

<210> 6275  
 <211> 543  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6275

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 tcttggtttt gcagtaggcg tagatccata gttttgttcc ttcgttacgt gattgttgac 180  
 atgtagatgt gaagatagag attgtccaaa ggaaagacga cacgatgtcc tctcaagcag 240  
 cccgaaagtc tcccgatcta gaagaggagt ttttgaatcg cgaagcgagt gatttgcttc 300  
 aaggctccgc ggcaaactag acagagtata aaggatcaa catgccgttc attgacacta 360  
 tgtagactca cctgatagag actgtgtctg gtcttggaac ctgctagaat gctttttccc 420  
 tatgccatgg cattcgggtg aatcttagga aggatctgaa gtaccccggt caaattgagc 480  
 gaatatgaga agaataccat gtcgataaga aaatgaccac cgtcaagggtg tagatacaca 540  
 gaa 543

<210> 6276  
 <211> 585  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6276

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 tacacggacc ctagatcacc tgccatcaac gatgtgaagt cccgacattt gtgcagctga 180  
 tcgaaaaatt tagcgattgc actcggacac tctcgtcatg attagggccg ttgttcaggg 240  
 gccatcgatt ggccacatcc tgccgtaatt tacgattcag ggtcgagacc ctttaattctg 300  
 gggaaccgat atacctgaac gcggggggcaa tcagatacaa accaaccag accgctgggc 360

gtggtatgag atgcgagcat ctatgtcggg gtaccttctg aatgacaatg aatgtatttt 420  
 acttctcgaa aagaatccct tgggcactga attgtgcgga gaatgatgcc ctgatatgat 480  
 acaactagct tccgctccgt caagccacaa gggctctgggc agctccgcta taaatcaaaa 540  
 tcgcctgcac gaacagacga ataaccaata aaacgcccga gcgcg 585

<210> 6277  
 <211> 502  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6277

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 tacaaccctc atgacacctt caccgtgggg gaaattttta aacactgaag ggccgacatc 120  
 cccccacggg acgaagccaa accgaccaag ggactgcata gcgcgcacaa gaggggatga 180  
 tcaagcggcc aaggcacacc catgcccga cacaggcagg ggccaaccg catagaggcg 240  
 caaattaaca gaggaccgga tcgaatggga ggaaaagagc gagctacacg cccacgacaa 300  
 aggaagagcc aaaatcgccg ccactacgag cgcgagacat gaacaggaag gctccacagc 360  
 gcgacacaga gacccgaatc ctgaagacgg aatgaaagct tcaatagccc cgaatgaaac 420  
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 ccaacaagat acgtaaacaa gc 502

<210> 6278  
 <211> 568  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6278

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 ctggtttaag ggtgagtcta tcccaggacc aatcacccctg ggagtgggta agctgacacc 120  
 gcggcactact agcatggagc tcatcgaggc cggtagctctg gagataccgg ctctccgggc 180  
 cggagagacg ggggagatcc ccttccttc ctccttccc tccaaggcga cggcaggggg 240  
 cgagacgtgg ctgaccgtct cgttcacgac aaaacacgcy acaccgggac tggatgcaaa 300  
 ttatgagatc gcctgggtcc agcaccgtct tggctcaacy gcccgtctc tgcctgcgtt 360



gacgccggca gccagcttcc caatccagac tcaactccacg aaggccgacc atatcataac 420  
 cggcgcagac ttcaccatca ccttctcagc cagcaccggc ctgctgacga gctggcggtat 480  
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 cccaccaacg gacaacgagc tcccgtac 568

<210> 6279  
 <211> 652  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6279

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 cgcttcgaaa tagctccctg gacagcagcc atatttgca ttctgctgat ttattagttg 180  
 tcgaagaaac ggccgaggac gcggtgatag gcggtgcacc aaggttggga agtcgctcga 240  
 gggttcaggtc agttttgaga agttcggcgt tagtggggaa ttttgggtgt agggctttgc 300  
 tttcctaate tggtcagggc aaacctcgc ttgctctccg cctacacttt tctgttttaa 360  
 gttatgcaa gacatcaate ccaacaacca tgactaggca gtaaggcagt aagtgtatac 420  
 ttcgagctca ctttaaaact gatcaatgaa attataggag tttcaagtac taaaatttta 480  
 tgcagctact ctcaattcca ccaactaacg ctatcatttg tttcattcat cacagacatt 540  
 cggccgtggc tgatagtatc acgtatatct acacaacagt atcataacgt aatgtagaag 600  
 cgaagacaag acagagatct tatactgagg gtcgctggaa aaaaacaaga aa 652

<210> 6280  
 <211> 561  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6280

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 tatttgtatc ttgaatctgg gacttagtga ttactttttg cccacaccgg atgttcttgg 180  
 gatgtccatt caactggaaa aacctcgag gtggctctga catacttggt aaaaatgccc 240

atccttctgc ctctcggcat cctggcggca cttacctact tgccacgatg gagcatgatg 300  
 ggtgacccaa tccatattga cttgctagat gtacgttgca gtctgttagc tatagccccc 360  
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 cacatcaagc ttcttggtgg tttatgccgc ccagaggaag ctgctagttc cttgagtgat 480  
 cctacttctc aggcccctgt cttcatacat aaggctgcgc cgcttcgtat cccctaaccc 540  
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<210> 6281  
 <211> 571  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6281

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 gttgtgcctc cgcaggggat atatgaacag agccgggtgc cgggactggc ggcgagctc 120  
 agaacgcaag acagacaaac cgactcacga acaagctgcc ctgacaccga accagctgaa 180  
 gctccgggac cagagtcttg ctatcaggat ccctgtggca ccacaacaga acggaactga 240  
 gacagctgaa cggccgaagc tcacgaaagg acgccacgcg gtgggagctg actaagaagc 300  
 tttgtgtgat gcccaggctg gggcacatga ccgaacggct gcacactagc cttgggtttcg 360  
 atgggcggca actctgatct atacatacac cctcgagccc attccggtct ggccacagaa 420  
 ggtaaagccc ctaagaacct cagcatgacc gaccgtggtg taccacgata catagctgtg 480  
 ggctctgga ccgtacatga gctcagtgtc tacatgattg gtaatagaag atacaagacc 540  
 gacttgagta catcagccca ccgacacagg c 571

<210> 6282  
 <211> 969  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6282

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 gaaagaggat gaggatagat gtaggagaga atgtgagaca ggagtaagag aggtaattaa 180

aggtccggag ggaagcaggg aatgaggttg acgagatggt gggaaggatg tttgtggaca 240  
 agacaaagcc tggtcgagga gaaggggggc agagcaccag agagaagaag taaggtccat 300  
 gataagtcaa gggctcggct aatgcatgca ggcataattgt gggggaccaa ggctgtatat 360  
 ggcagttgat tctcgcaaaa aaacgacgtc acaagtccca agcgtaaagc caagttttgc 420  
 caattaaagc gtgaacaatt ctattgctac tgtaatatat gcaaagtcgc gtataatctg 480  
 attgtttgag agatatatca tcggaacagc cgcagtcctc caaactgcc tgcactccaa 540  
 gtaaccgacc ccctggaccc cccaattccc cagactcagc cctgagaacc cgacgcccc 600  
 gccctcgcca tctcgtttat accgtcggag cgcttctctg agatgggaag ggagcagctg 660  
 cccgcggtgg gggttgggcg ggagctttac tctggcgctt ccgccaggtg ccgaaacccg 720  
 aaacgcacca acagtgttcg tgtccgtgtt cgtgtctacc ggctcttggt tcaactgccg 780  
 atgagcttca ttattggcgg cagcatcact tgttccgtct gccgccgctt ctcccttcac 840  
 gagccttgcc aatgctgctt gatcatgtgc ctcggcccat tccttctgca ctgtacgtgc 900  
 cttttcaatt atctctccag caaacacctt tgtaaatcca ttgatagtag tcaccaagca 960  
 tggccggga 969

<210> 6283  
 <211> 922  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6283

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 gatgatgcac ctggagcctc gcgcggcggc agcggtgga tgctgatct ttcttcctc 180  
 gctagcatgc tcggcgggtg ccgcgggtgt ggtggcggcg gtggcatgcc tgatcttga 240  
 tctttgatga acaaccccat gtttgccagc atgggtcaaa acatcatgag caacctgat 300  
 atgctcagca atctgatgaa caacctcaa ctgcgacaga tggcagagaa ttttggccaa 360  
 gggggtggca tgccggacat ggcaagctta atgagcgacc cgaacatcgc aaatatgtaa 420  
 gtcttgtcgt gctagctttc ttccggccca gagcactaat catattatag ggcgcgtaat 480  
 ctcatgggtg gtgccggacg tgggtgatcc caatagtctg tgcactcgtt ctattgttta 540

atacctgcgc tgacgcccga cctttttttc ttttcgatct gaaattgtct cggtagatgt 600  
 gtttaaagta tgactatgat attgagaagc atatagatat ggccattagc cgccttctaa 660  
 tgattcaact ctcaattcca cttgattgga ataacttgta acttaaattt gggtaagaaa 720  
 tgcaaaaaat tggcatgctg ggacaagggg ccttaatcca aactggtaga agaggtggag 780  
 gtggattaac tggccaaaaa aaaaacacca ggccccagg ccaagcagat gaattttggt 840  
 tcaccctttt gggcatctcc aaaaaatcca ggatttggtg ggccgcacct ttaaatagat 900  
 gaattccttt tccaacggaa tt 922

<210> 6284  
 <211> 303  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6284  
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 tttcaccttt acggggccaaa catatagacg gggcgctttg atgtccagct ctgagaaaaa 120  
 ccacaggggg tcgtcactct taaaacacga cgcttgccac aaaggggaca cggactcatg 180  
 ggggacaagc gtaacaccag gcggtaggta atgcctgcac tcataccccg gggtcaggcc 240  
 acgcgcattg gccaccaggg cgtggtcact attaataaaa gtgccaaccg agctgtgaac 300  
 gcg 303

<210> 6285  
 <211> 705  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6285  
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 ccgtggtgca gcaaagctac gaggagaacg ggtttcccat tgtccacggt tgggtgttca 180  
 acctgaagga tggactgctt aaggatctta atattgactt tcctgggata ttggcggaca 240  
 tccaaatgat ctacaacctc accagggttc ttcatagatt atgttaagag tgcaagtgg 300  
 gttctggaca cggagtagag ggcggattac tgggttcaac gcgcagagcg cttgttattt 360

tgcacagtca aattagcagt ctataattca tgcgtgattt ccaacgaaac ctcgaggagg 420  
 aaacattggc tggcggtgtt agaacgttat cgtgctcgga attcgacgga tcctagctcc 480  
 caacaagcca tcccggtgct tgaatttccg cgtgagccgt gttatcgctg gagatctttg 540  
 ggcagcacat attcaagcgc tgtaattggg tgtagagtgt cccgctatgc ccgctctgcgc 600  
 tgaaataaaa tcagccgatg acgaactggg tcccaacaat ctccatacaa cggcttttcta 660  
 atccaccaat aaaaagaaga cttaccgctt cgggttaatt ctagg 705

<210> 6286  
 <211> 867  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6286

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 attctagggtt aagataatcc cctggaatat tgcccatggc atccaccatt aagtcaatat 180  
 ctactgcttc ggctcccaag gtacagcctc cccgggctt caataaagta cggggttggt 240  
 caaagtccac cggagccacc atcaccacca aatttttaac cttatccggg aatagagaag 300  
 cgtaacacag gctaaatgtg cccccctgac aaactcctaa caacgtaatt ttttcttgct 360  
 gggagcggtg acaaataata tcgacacagt tgttcaaata tccagacaaa taatcttcta 420  
 ggggtcaacca acgatcgccc cgggagggat aacccaatc aattaaatac acgtccaaac 480  
 ccagtttgag gaggttggcc accagggagc gtccttctg caaatccacc atgtaggggc 540  
 gatttaccag ggcgtaaaca attaaaaccg ggataggtaa gggattttcc accaccggtt 600  
 ggaaacggta aagaataacc ttatcttctt ggtaaactgc ttctttgggg gtaaagccca 660  
 cctggatgtc atcttcattc aaaccctgca aattttccaa gccagagaga aatttttcag 720  
 taaaatctag gggttcatgg agattttctt ctaacccac ctgagcaaaa aaaggcaaca 780  
 taatttttaa ccaatgaacg ataaaaata gtaaaaacat tgatggtgaa ttaactatcc 840  
 agcgggtcct ctacagtaac ctgcagc 867

<210> 6287  
 <211> 916  
 <212> DNA

<213> Aspergillus nidulans

<400> 6287

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cgataggaac gccggatgcg caggcttcta ctatatgaga ctaggaatta gcactaccac 120  
tacttgagat acccaacctg atggcacgag gggggaaagg actgagacta acggaagcag 180  
attgataatc tgatggaaga aaaaacagca cagcagggct tcattaacaa tcgtaggaag 240  
cacagttgtg atgagcaggt tcacttccgt aaagcctttg aacggagtcg acggcgctca 300  
gggccggacc atgtgcaaag gcaggggcaa gaacaattac aacgtctgag tcgagctcat 360  
aggacagggg gcttgccagt gcggtctggt agatttcggg aaaggaactg agctgagcca 420  
gatatggcca gcaccgaacc ggcaacatat cgaggcggag aacggaaaac gaagaacgaa 480  
cttgaccat gaaccctgta ggaacttact gtcaacccta agccagtgcg ggcgatctgg 540  
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gttgatgaat ggacacgcct agtatacttc tggatgaactg atagcatgac aaacagcctt 660  
agagtgtatt cccgttcgac taggatcgaa gtgagatgca agaaaaaagt gacttttagg 720  
ctgagaaatg cgatgcgact cgaaccctag accaatatga aatacatggg tttgacttgt 780  
ttaatccagc catcgttttc tgtttgacac gatttttaggt ttgcctatgg taagcttaag 840  
atcataactg aaaaacttct gaagccgaag atagtttggc ttattttctt atccatgagt 900  
gcggtttcag gtggtc 916

<210> 6288

<211> 657

<212> DNA

<213> Aspergillus nidulans

<400> 6288

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tatgcctgta gagaagtgag aaattagtca aagcggctgg actaagaaga aagggcatac 180  
caatcatggt taatttttac agtaaagggt agcgcaccga agaacctgag gtctgggctc 240  
tgttcggtaa gaagacagtt cgcgatgacc caggcatggg gccctttttg caggttctga 300

agaagctcct gaatctcatt gatcttggcg gggttgcccg tgtttgctgg gtcataaagc 360  
 tccaaaacaa gctgggtaac cttcatcagt ccggtagcct aactattcaa ggggtcataa 420  
 tcttaccttc tttgccccat caatggccca ggcctgatct gagtggtcca tggacatagc 480  
 cgagcacctg gggaaagtgg acaaaaacct ggagaaatga cgatttgagg ccggtactac 540  
 tccagtatag atgccgataa gaatttcaga tcacgtgctg ataagaccat ggaggggaaa 600  
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<210> 6289  
 <211> 571  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6289

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 agtgagtatc gcagggttta ccagtcctgt cgttgtatac aacgtccagt tattcgagct 120  
 cggcccccg ggatcgaccc agaattaacc cccctcctgc ccaactggca acaaattacc 180  
 gggcagatta ggcccatttt gcttttatta gccggcaacg gtttatgcct gttttacagc 240  
 accctagggt taccctcac ccttttactg ttgattgtgc ttagtttgat gtttttggct 300  
 aatcccaggg cttaccgtca gggtttcac cgttgtttcc ccgcttttta tcgagcacgg 360  
 gttgatgtaa ttctgaagga atcggtaatc ttgctagaag attggccccg gttggtggta 420  
 gtcagtccctg tggtgggtccc ccctgccact tggttcggtt tagttttact tcaggtgctg 480  
 cttcccctgg ccctagccct tgtggccggt attttaaacg tcattcccgt caattggccc 540  
 ccagattagt ctagtcccc ccattggcgat c 571

<210> 6290  
 <211> 513  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6290

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 cagaacctca actgctcttc ctccggactc acaacgcccg ccttcgccgt caccagcgac 180

ccgctcttat agtgcagcag aactgtgaac gagtcctgaa agccggaggt attgacctcg 240  
 cgctgcgagc ccacgaaccc cgtcacccgc tccggcttgc cgagcagata cagcgctga 300  
 tcgagcaggt gagagccaag atcgtggatc gcgctgccac cgggtacaac cttgttcttc 360  
 catttcgaaa cggtaggagc gggttcttca gggcggtggc ggtcgaagtg ggtttcaaat 420  
 tcgacgacgc ggccgagctg gccggattaa acgagcttgg agaggggtgac gaagtcggcg 480  
 tcccagcggc ggtcgtgctt ttgtaacgat ctt 513

<210> 6291  
 <211> 654  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6291

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 cgtatcattg ttttcggagt ggatcgagga tcagcctgct gctaaagact ttggatcctg 120  
 ggatttaaag gccagcatcg agctgctgaa ggatctgcct gagtttggag tggacttctt 180  
 ggatgtgagc tcggggggca accataaaga tcagaagttt catttcttca cggactacca 240  
 gaccgaaatg gccgcgaagc tgcgcaagga gctcagggtc tctggtgcaa ggacacttgt 300  
 cggcgctgtt gggttcataa cgcagcctga tgctgcggcc cagattgtcc agggagctga 360  
 tgaggagggc gttgaggcca aggccgatgc cgtgttaata gggaggcagt tcttgctgta 420  
 accagaatgg gtctgaacg cggcgaagaa actaggtgtc caggttaatc cccctattca 480  
 gtttggtcgc gcgatgtgat tgaatatgtg ggtttttttt tcctagagga aatatacctt 540  
 tgggagtacg gctagaaatg gtgtctcagt aaactgtatc cagacaatga atacgtcact 600  
 tgaaagacaa caactattct tagcacttga gcgtctgcgc ccatccatgg aagg 654

<210> 6292  
 <211> 482  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6292

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 tattttcgcc atatggaaaa taaattttca gtaaccagtt caaatgagcc gcctcatctg 120



cccacctgcg acacggttat gaagaatgac gatttccttc cgggcctcgt cccgactatc 180  
 agttggatga cgtgtgttga ctcccttatcg caagtggaca cttggagacc tagtgaggcg 240  
 cttatgggac tagcgcccat tctgggcgtc aggtgatcgt cgcattgcgt tccccgctt 300  
 ttcgcatccg gtccttgcgt ggagtcttgt caacttgtca ccgaaacaat aatgcttcgc 360  
 catagataca gggaagaagg ttaaaccatc ttcaacttca gaggctgtac gtggatatac 420  
 gtacctcact acgtaagata tgcaagggac cccaatgcgg cagaaccagg tttgggctgt 480  
 tg 482

<210> 6293  
 <211> 599  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6293

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 cttactcctg ttatgctttt tactacgcta ttgggatctt gcacgtggac gaatgttcca 120  
 cccctcgtat cgctatgagc cccgcattgc tcgggcccgt tcccagtgag gggctcatct 180  
 gccagcacta ctggtctggt ttctcccgag aatgcacata aagcattctt attggcaggc 240  
 ttacatactg atctctgata gaactaccgc aggcccggat atcataggat gtacagacac 300  
 tgggtgtacc ctaggacaaa ttggcagcta atatcgccgc ttttgttagg accagtgaat 360  
 tagatccatc tacctctgta cgacactggc aacaatatac ggaagggtgca gagactgatg 420  
 caggaagctc actgcatcta attgaggatg gtacatcatt acttaccttg tggttngcat 480  
 acagccctgc tagcgctagc agacaacaat ctccaaggat gcagatacac ctcatagata 540  
 tgctacgatg cgcaacaata tcattctcact atccatccag agcaagtcca tagacggtc 599

<210> 6294  
 <211> 533  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6294

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 tcgttgattt ttccggcgat ggtgccggca caattgaact cccacttggg tcctctatag 120

atgggcgact gggaacgtcc tgcaggagat cggctcctc cctggctttg acaggctcgtc 180  
ctttgatcga acagcagtcg accggcagaa gaacggtttt ccgagcttgg atgctatcac 240  
taggccaaaa tccattcacc tttctaaaaa ttgctgcttg acatccatat ctaatagtga 300  
ctccggtgat agtgtccgtg ggttgaactt gatgtacgta gaccagcgcc tcttcattctt 360  
gatccgtatc cgctctggac tgaactgtcc ggtcattaga atctcgccgc ttgtgtcgag 420  
aattaagatt ccagctcggg tcagtatccg ctagtagcaa tgcctccatc tttttcgcat 480  
gtaccatggc ttgtctttca tcttgagtgc cggcgccgat ctccggtgtg gtc 533

<210> 6295  
<211> 480  
<212> DNA  
<213> Aspergillus nidulans

<400> 6295  
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acatattaca cggcatacga tccgagcact tataccatgg agaacacggc gagtcttatg 180  
actgcatcat accaatgact gacagacatt ggcggcctca agcacagaac ctgatatatt 240  
tgttacagga cagcatgagc gacgtgtcta ctggcgatag gttctacact gatctttgcc 300  
tgagctgtta ctgctgcgca aagatctctg acatcgcccc gatggcatag cagcgcccac 360  
ctaactattg gaccgctcat gaacgagcga aactagctac tactgcgtac agacacacat 420  
tgccttggtc ggagcagaga gctttccgca taggagagaa tgcattgattg agagcgactt 480

<210> 6296  
<211> 1139  
<212> DNA  
<213> Aspergillus nidulans

<400> 6296  
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ttaatagttt aaataattgc acatttattt tagaatttgg ttgcgatgag cgccttaacc 120  
attactaatg ggatcaatcc ggttacctcg aaatagacta atcctaaaag acgtagtgct 180  
ggcgcatatt ttattgatac cgatcggttt agcggagcct gtgatcctct tacctgtgtc 240

gatggcaatc ccaagtgcac tcggccgcca gaattactct gtggctgcac tttcctcctg 300  
acttgacttc tgtggaggca gagcttgaga cttttactat tcgaagagga ttgaacttaa 360  
tgaggaggtt gcaattcggg ctgaattctc cataccctgt agataaccgg tgcctaattt 420  
caaccctcac taccataga aaaagaatgt ctctattccc cgcctattct cataatattt 480  
cgtgtacttc cgaatatgtg gaataattgg cttcttgaaa agagtcccg gcgtttttct 540  
ggcccatcgt ctatgctgtt caatactttc tgggaagtgc tagcttcatt gttgggtgta 600  
tatacctttt acgtctagga gcccttttgg tctttacaat gtggcatgat aaatggttgg 660  
cttttggtat ctttgggcca atgaattggg tccatatccc atataacctg tttattttaa 720  
gtttgggtccg tctttttgta aatttcgaaa acctaacttt gttatgtgtt aatttttact 780  
ccttaacacc ttggcgtgga cgagctcaat aaatattggt cctgtttttg tcccaccctt 840  
ttttggagtc attttttctt gttttttcca aagtgatgta tctatcctag tagttttccc 900  
ttaataactta atgctcacta tgttatcttt acgtttttct ctgttacagt ggttttgctt 960  
tttttatgtt cttctttatc tttccgcttc tttcctgggt tcttcttttt ctctaggtgt 1020  
atcttgcgaa cagctcataa taattttgct tgtggctgtt tcttactgat cattgtcgtg 1080  
tggtatata ctctcatttt tttatgttaa atctttttca tatcttttgt taactattg 1139

<210> 6297  
<211> 611  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6297

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cacattggac atatgtgcgc acgacattgc ctgacgttga tatgaaccgg attgacgacc 180  
taggcacgtc agggatatatc gactacaccc tgcgaggcgg agaccgactg gcacaggcgg 240  
gcatgtatcg ctatgcctgt gagtaacgca gcacctaaaa tgcgcaaaat gatcgccata 300  
gagcatcgtc taaagcgccg aataccaacg aaaagtaaaa ctgcatgtat gcggatatcc 360  
gaccttgtct tactgggctg actgtcacat ggctctgatt ctgcaatgtg aaggacatga 420  
tctgctgcag gctgtggagc cgtggcagca tgatacactg accgactcac agaaggatca 480

tgaagctcat atagatcgac ctaatatcga ccatgcacag aagctcaagc tgatgatacc 540  
tagcggtatg aaaggactgc tgtttgcacg caaacaaaag gtgcataatcc ttgtcgatgg 600  
aatgcacatc a 611

<210> 6298  
<211> 522  
<212> DNA  
<213> Aspergillus nidulans

<400> 6298

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gggacgaagc tgcgaaacttg gggtcctttt tactgggttac aggcctggtg gacctgggtc 120  
catgagcgtc cagatacttc tagtgggtacg gtaaatacatg ggatcaacca actggataga 180  
gggctgatgg cacgaggctg tgatgatggg gttgcaagtc tcggagacaa ggaaggcagc 240  
tctgggttct gagcgtccaa atactataag taccatggga aatctggcat taccctactg 300  
gaccagggc ctatggaacg ctgtttggag ggcagggttg cgggtcctga gcacatggag 360  
agcacctttg ggaacagcgc aatcagacac tttaaagagg gtgcggaatc tgggtgtgaac 420  
cagctggatt gagggctcgt ggaacggggt taaaaagttt taattactcg cacgggaaac 480  
aagcaaggac acactcggag ctgtgcatgc taaaccctga cc 522

<210> 6299  
<211> 944  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6299

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ctcgatgagt tcatcggtgt cgacggggcc ctggcacctg tcaataaaac tctcaaaaaa 180  
aaaaaaaaa aaggccctgt tccgtttgct ctaaccgccg atgggggagg ccaaaaagac 240  
cgccaagca acttagtaag ttccccaaaa gtatttgagg tctaattaca tacaccctaa 300  
tcagaggccc ctgtttccat cgcgtgaaac cagcccatgt gtaaccagggt gctccttcta 360

aataaccgga cgggcatccc aactctttcg ggactcggga acactagaat gaaaccacac 420  
ttagtgcttt ttccccaacc cccgctcagt cacaacatta atgagtcgtc tttacttcaa 480  
aaacgattgt aaccatcata aaccttccgc aatatggaaa attgctatca acaatattct 540  
tcacacaccc ttgaatgatg catcattctt tgaaaaaat tccccttatt aatacaaaca 600  
atctagccgc cccggagttt ttaaactaat tttctcctta aaaaaaatac tgggggtccc 660  
cacccecgtt ggctaatccc cccaaaaatt ttttaaattg ttcaccccc ccaatttttt 720  
tggggggcct ccaccatttt cttccaccaa tatctcttat tcataaaaca ttctcctctc 780  
tctctcgaaa tataattcct ctctctaaaa atttttgtga ttttaaacac atctcttata 840  
attaaaaatt ccccccttct tacctgtgtt aattttaatc ctatcatatt tctattcccc 900  
ccctcttctt tagtcctttt ttatatnttt attttttctt cttc 944

<210> 6300  
<211> 844  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 6300

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atacgccaat ccccggtcca tttcgtggca gatagaactt ttgcgccgct tgtcaaatgg 120  
caatgttcgt attgatggct taacaatagg tgctgggtgt ccttccctca ccggtggcaag 180  
cgagtatatt gagaccttgg gtctgcgaca catcagcttc aagccgggggt ctgtggctgc 240  
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gacaggggga cgcggtggtg ggcacactc gttcgaggat ttccatgccc cgatcatcgc 360  
aacatacgga ataattcgac aggagcccaa tgtctacctt gttgctggga gtggcttcgg 420  
agatagcgat agtggtttatc cttatctcac tggatcttgg tcagtagcaa tggggcaccc 480  
ggcaatgccg tttgacggta tattgctggg cagtcgcatg atggtggcga aggaagccca 540  
tacctcaccg gcggtcagga gaatcattgc tgctactcca ggtgtgtccg acagcgagtg 600  
ggagaagacg tattctggac cagcaggagg ggtaatcacc gtcacgtccg aaatgggtga 660  
gccattata agatcgccac cgcggtgtt tgtctctggg cagatttgga taagactgtc 720  
ttcagcctct cgcgaagaga caggttgaca tatctggcgc aacatcgtcg ctcaattatt 780

caaaggtaaa cgccgatttn gcgaaacatg gttggatgta actccgaggt gaggccgcga 840

tcta 844

<210> 6301

<211> 594

<212> DNA

<213> Aspergillus nidulans

<400> 6301

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agaacccggt gaggaagccc cggatcgaca cgattgacag ctcggaata tagctgggga 120

cggtcgcggt gatagcgccg catgcatgc cggtagagagc tcgtccagca tctgctctag 180

ttaacaacct tgactactac ggggatatga cttacatata taggaaaggt gatgtgttgc 240

agccgtcatc acaatcgcg ccaataagaaa cagcagtgtg tttgcctgaa gggcccattt 300

acgccaatt ttgtcgggtca cttgggtccg ttagccagtg agaccgtctc taacggcttc 360

actcaggcaa gaagcagaag atggcgccga aaaatgcgcc ggcctgaaag gttgacgtga 420

tattgcttga aatatccgcc gcctccgact cgacgatgtt gaaggcatca acgaagcttt 480

ggcgggcaat ggtagttccc acaaaagccg agtcatagcc gaacctggcg gatcagttgg 540

atgtttttcg ttacaacagc acctactcac aagagtgtac cagtggcaat gatg 594

<210> 6302

<211> 537

<212> DNA

<213> Aspergillus nidulans

<400> 6302

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gtttttgcca attccaaata tgccgtttct acctggtgaa gctctgccgg cacgtctcga 120

aagatagaat aaaccaccca tgaagaggag tgtagggcca aaggacagca cggtagccat 180

ccatgggact tcatcaacat aggaaacggg gatacgctcg gaagttggaa tgccgagctc 240

aaattgggct tggtcgagtt ttcgctcgaa actctcaacg gatccgacag tgaaatagta 300

gtagaagttt ggtgaagctg caggtgaatc agggtagctt cgagccaccg catcacgggt 360

cagttcgaca cgaaccctag ttctgttggt aacggtcaat ctctccacaa gtcccttatc 420

caaaaatttg ctctaaact cctcccatgt gatgtccttg ctattgtcgc caggggaagat 480  
gctgcggtag atgtaatagg cgatgacagt cctgatcgag gtcgtcggta tcgagta 537

<210> 6303  
<211> 343  
<212> DNA  
<213> Aspergillus nidulans

<400> 6303  
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ccgacagatt ttccccaacc agaaagaaag cctcccgagg aggcattaaa aactccggac 120  
gccttaacaa aagaccacaa acccatcttg tcgcacaacc agcacataaa aagcgacgaa 180  
gagacaccaa gcaaggcaac ccaaccgccc taaaaaaact ggatcgatat cccgagagat 240  
atcaactgat cgcccaaagg aaaaccaggc cccgatcaac caaacagata acccctcccc 300  
taaaaaaaca atattcgaaa cctgcaagaa cggaatgccc aag 343

<210> 6304  
<211> 869  
<212> DNA  
<213> Aspergillus nidulans

<400> 6304  
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atagaaatag gatgggttagc acagccatct cgtaaggctc gcttggattg ttgagtaaga 180  
gttgaagttg acgcaacata cgctgtcaaa acacagtcaa tccagaacca tgtcgtatcc 240  
ggcgtttgcg actcatcgat catcatggcc agtctccaaa cactgaaccc tgtagccagc 300  
ccaccagccc ccaagatccc aatgactcgc aacttcttac tcaggctcat tttcagcgac 360  
catagcattg ggataggaag aacaaggatc cagaagtcgc ttatcatgct gatgggtggag 420  
tcggcgataa tgaccttgcg ttggtcgagg cacgttccac ccgtgacctc ggcgccaaac 480  
cagtacgtgg agataggctt gcagaagaag atcttgatga aaaggctcggg gatgtagtag 540  
aggagcagga cgaccattgt cccctagacc atcatgacct tctggcggtc ttgagcgaaa 600  
atcccagagca tgacagccag gaaggcagtt tgttacaaaa ccatgggccc taacaaggtt 660

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aaaaccttga	ctggctttgt	tttgaccccc	ccggggctcc	cgaatgcact	tgtttacatt	780
tcgaggagat	gggaacctta	atttccaacc	caagcttttt	attatcttcc	ggcctccggg	840
ttccccaagt	tccaccgct	ttaataaat				869

<210> 6305  
 <211> 495  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6305

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ctgggaaaag	gggcgccttc	ctcgcctacc	gggtcgccct	ctggcaccca	actctaata	180
cgcacctctt	caccgtgtgc	gtgccgtaca	gtccgcccta	caagagatac	atgacacttg	240
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gctggaagtc	tcaagatata	gaacttgcc	ttgattgtca	tatcgttttt	gatttcttga	420
aactgttttt	cccttctcta	ctactccttt	tctttcctac	tgtctcctct	catttctttt	480
ctttacttca	ttcta					495

<210> 6306  
 <211> 547  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6306

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gcgacgatca	aattgtcggg	aacatatgaa	gagacataac	cccagcaaca	gaaagtcata	360



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<210> 6307  
 <211> 656  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6307

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<210> 6308  
 <211> 639  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6308

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<210> 6309  
 <211> 577  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6309  
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 tatctccaga atgtcgtagc agttcatcat tcgtagtctt gacgagctcg ccattgtcag 180  
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 aatccgcaaa tatgtagaca gctaggacga ctatattaca gagctcatgc gagagggtta 480  
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<210> 6310  
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 <212> DNA  
 <213> Aspergillus nidulans

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agaaatctta cgtggtgaga gcaggcaggg gttggcttag aatattctgt cttgagataa 180  
agagctaccg atcacacggg gagtataagc a 211

<210> 6311  
<211> 582  
<212> DNA  
<213> Aspergillus nidulans

<400> 6311  
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tcactaacgc acctcatggt acctaacaac ggctagagta gctgaggag gaaaggaatt 180  
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ggccaccag taccgaagct ctcaaatag gctgaacttg gcacagaata gcaagtgtca 300  
tcgccgtatc caccctgat attcccgacc ggtcgtacgg ggattcattg cggacgtgtc 360  
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ccaaccattt tctgagtga cattctcttg ctctttcagc agcacgcgga gaatagagat 480  
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<210> 6312  
<211> 770  
<212> DNA  
<213> Aspergillus nidulans

<400> 6312  
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aagaacacaa gaaagcaaga aaagagactc gctgcagcta cgaataatgc cggctataac 180  
cggggagttg ctttttcttg gtcattctcat ctacatcag atggttgatg tttggtgtat 240  
gccgcatcaa gtgaagtcgt aagtcattca tagcgcgtat gtgcggtttt ttgacatgtc 300  
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aagaagcccc aaccgacatc tgtcacccta cagcttgtgg tcgtatcaat ggcttttgag 480  
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gagctcaaga gaggcgctgt ctgcgggaag gccacagaaa cgggaggttg gcgaggatag 720  
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<210> 6313  
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<212> DNA  
<213> *Aspergillus nidulans*

<223> unsure at all n locations  
<400> 6313

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taccaccaac gaaaagaatg gagccggcgt cggccccggg cgaggtcgat ccttcgagta 180  
ggcagatccc ccgctaagga aataataggc aaatttagaa aatcaacaaa gatttaatga 240  
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<210> 6314  
 <211> 896  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6314

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 taatttgga aagcccgccg gatgatagct gactcttctt gtaccacaac cctgacttcg 240  
 tcaaccagag attggaggct cggttcaact ccagagggtt ctgcatctgg gtcggcaagt 300  
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 aagaattggt gttgattcac aaatagtga acaacgctcg ccccgccatt gaaatcctgg 420  
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 tgcctcaaaa ggtctttttc cagcgtctcg gagaattttt cgattatttc gcgcgtattc 540  
 catcgaaacc cattagtccc ttccatattg ttgctgtttg gtgccagatg tccgtcattg 600  
 tacggttcag tgctcctgga ctcatccag ctctttgggt caagtctttg actaatcctg 660  
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<210> 6315  
 <211> 578  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6315

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 taccgtgcgt actaccgacg agcaggaaat tactacttcg tctctacctg gagagccaac 180  
 gccagacca gctcagtctc aggagcagca gcagtcctca gagcccgag aagaaaagca 240  
 gacatcgctc tcgaagaaaa agaacaaaaa gaagaagaag aagagcctgt cttctacttc 300  
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 agagtcctta ctttctgtgc ctgaatctgc tgaaccaaag ccagactctc cggagcccg 480  
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<210> 6316  
 <211> 1013  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6316

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 ggctgcccgt caaatgtgag caacatctc agcggacggc agtgctcaa actccggagg 180  
 atttcaacaa attatgtccg gatggaggat gtgaccagcc ctggtacgtt ttccatttgc 240  
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 aaggttatat tacctgttac cttgaccccg ggateccttt ttactctaaa taatcctctc 420  
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<210> 6317  
 <211> 1003  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6317

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<210> 6318  
<211> 943  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 6318

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<210> 6319  
<211> 967  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 6319



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<210> 6320  
 <211> 652  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6320

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<210> 6321  
 <211> 1189  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6321

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tcctctatca ttagttaaag agcccgtcc atctctttct ctcttctacg ttctcctccc 1140  
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 <213> Aspergillus nidulans

<400> 6322

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 <213> Aspergillus nidulans

<400> 6323

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 cgttgacaag tcgccatgac gaccatggct tgctttagt tgataggcag aagtttggac 180  
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 gggtcagcag tttatagacc ttctctagct cctgatacgc cccatctgca tgttcgctac 480  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 ggggagcaat gcttcggcgg ctacagcgat tctctccact ccacctcggc gggacaagtc 180  
 cggtttaata aagtctggaa tgcttacatg ctgttctacc aacgcgtttc aagtatgata 240  
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<210> 6326  
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 <213> Aspergillus nidulans

<400> 6326

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 gcccataag attatcctct ggagccaatg acgcgtatct cgtctctaata tgtttttata 180  
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 ccctctgcgt ctcaaagtca tctccgttcg attccccgtc cgcctccgag atttgagaat 480  
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 <213> Aspergillus nidulans

<400> 6327

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 gggaaaagga ggctgggatt agagaagagg ataaacactt cagtgggggtc agaagttgga 180  
 aaccccaggg gaggcctgcc tgccaggatt atggggaa 218

<210> 6328  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6328

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cccacagccc acagcccaca gcccacagcc cacatagcca cactgcccac gctgcccaca 180
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cgcgccgacc ctggcggcca tcaatatcga cgcatttgcc ggccaagggt tcgtctccaa 360
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agaagatcgc acagccacgg gtccatgtcc tggccgcggt ggatgaagac tctgtgccat 480
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cagggcagga caacgacagc 560
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<210> 6329  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6329

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aacttactgg gagatagaac gtgagcaaatt tgcttcacat gaactcgacc ataacttgac 180
gcttgagctc attgacagtc gggagagctg tactgatgaa caaggctggt aaaagtgcac 240
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gtttccaaaa cctacaagac ttaagagggt gcaggatcta gaactgcaa aaaagatctt 480
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 <213> Aspergillus nidulans

<400> 6330

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6331

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catgctcgag cacggcagg tagtgtatgc tcatccttcc agcaatagaa aggggaattg 180
ggagttgacg gaagatggcg aggagattct caagaagtat aaagggccct gaatccatcg 240
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ggttcacccc gagggcccca tgtgatgaaa catgtggtgc atctactcta cacagcatga 600  
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agtatagagt ct 672

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<212> DNA  
<213> Aspergillus nidulans  
<400> 6332

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<213> Aspergillus nidulans  
<400> 6333

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cgagctaggc atgtccttgt atgcaagggtg gatggactgc tgcattggaga ctacagctac 180  
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 ctggaaagga gggttcagac aaatgtcaaa tgataagtca ataggtaatg aatacgatga 480  
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 <211> 557  
 <212> DNA  
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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 <211> 976  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6337

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 <213> Aspergillus nidulans

<400> 6338

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 tttggctcgt atgtgctgaa gcccaaggcc ggacctata atccagcttg gaccttaacg 720  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6339

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<400> 6340

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<211> 332

<212> DNA

<213> Aspergillus nidulans

<400> 6341

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gatttgccga gcttgggttt ctgcgggtgg ctgcgagacc tctgccatat taagatcggt 180  
gcgcgcccga gctttttata cgtagaatcc cactgaagaa taattggtag aaagtgcgga 240  
ataatgagta ggtgtgctct ctgacattac caggttcaga tcctcttccg agtcgaacga 300  
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<210> 6342

<211> 623

<212> DNA

<213> Aspergillus nidulans

<400> 6342

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tttattgtcg aatggaggta gctctgaccc gtccgctcct tcgcgcgacg accagaaggg 180  
ctcagcgcgc aaggtcaatg tagacagggt gcgcgaaact cttgaagctc agctgagcct 240  
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ggtcgccttg gagcaactgc gccgatgcgc cgaaatccct tatcccgggt cgcacgctac 360  
tggtccatcg ctttcagtca gcaacggaac aggaatgtcg gtatgggctc ctggaaatgg 420  
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ctctcgatgg ttgttaccag atccccgttt tgatgggtggc caggttgaac cgatgacacc 540  
tatgggcatg ggcgcgacga ctctctgga aggccgttca acgcgcggaa atcctatcga 600  
cactgcctat tggctggaag cct 623

<210> 6343

<211> 1520

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6343

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agaaagagta ggagtaaagg tggaaaggga aagaggaagg gtgaaagtgg gggaaaagga 180  
aaaagagaga gaataaagag gatgaagaat taatagaaag aaagaagtat gaggataggg 240  
gtagagagtg ggaagatgga gtagaaaagg gaaggaaagg aataagggtg aagtagaaga 300  
aaagagaaga taggtaaaaa agaaataaga gaagaaattc taaataggat ataagtagag 360  
agattgagga ggaaagatta gggttagata gaagagaagg agaataataa gatgaagagg 420  
aatgggtgaa aagagaaata gataaggaaa aaaaaggtag agaagggagt taggaggatg 480  
agacggaaga gagcaaaata ggagaagagg agaagattga tcaaaaggaa gagagtacgg 540  
gcaggggat acaagagaaa gtaaagagat aagaagagga gggacagtgg tgatcaagga 600

acggacagag ttggcacgaa atggaggagt ccaggcagag agcgcaagaa cgcagtgtcaa 660  
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agcacacact ggTTTTgaat acagtgcact gtggatgggt tctgtccccg atacgttgca 780  
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cgcgTgcgta aactatggcg gcctgctcgt agtccgattt ttgctgggtg tcgcagaggc 960  
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cgttcggacc ggtatctggT tctcaggtaa ctccgtcggc gggcttcttg ctagcatttt 1080  
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cgcggtcgtt tcaggtctca 1520

<210> 6344  
<211> 575  
<212> DNA  
<213> Aspergillus nidulans

<400> 6344  
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ggggcggccg gttcagagtc tgagctcata ctatcaacat agcacgagtt agacgcagct 180  
gactccaccc ctctcttcgt gggtaagggt ccatgcata cagaggaggc tgcacctgta 240  
accctggaag gtgagctggt gtacacgggt tattgacggg gggcttaacg gcgggataca 300  
caaaaatggg tggttagccg gaattaggag atatcgacc cgtgccgtct ctggccagct 360  
ataatatcct acccctcagg ccaagtcatg tcctttttgt gggaacctag ttccaagctt 420

agtggtctga ccgtgcctgg ttccctatat gaagcggcca aataaaaaca tggggcctag 480  
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ctttcctctc cgttatttta cgaggacggt ggata 575

<210> 6345  
<211> 548  
<212> DNA  
<213> Aspergillus nidulans

<400> 6345

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ttaggagtag tcctcatgtg agtctcctta tccttcgcgg cccccacctt tctcttcttt 180  
gaaggagaag gggtcacagg tacagcatca ccagctcctt ttccatcctg ttgggtctga 240  
tcatcattga ggtcagcatc gtcgttggca ttaccagcgc cagaactcat agtgaccttt 300  
gcatcaggga agccactctc gatcttgctc ttcaggcgct gtcagcgcat gcgcgtcgga 360  
ctggctctga tcccgaactgg agaaccgacg gatttaaagt cgtttcaaag ccagccacta 420  
gtgacttctg attccctttt ctgggggttaa aaataattgg aataggagaa acttgggccgg 480  
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gcccatat 548

<210> 6346  
<211> 583  
<212> DNA  
<213> Aspergillus nidulans

<400> 6346

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gggactcact tcgtgacggg accatggacg gcatgttgcc ggtgattata aatctgcaag 180  
tattaccgct ctgtcatgag gagacttagc ttgaagcgct gaattactat gcgagagttc 240  
tcacgagtga taataagaaa gctgtggtag gggagcagct agcttgtcca cgccaaggac 300  
tgatggcccc ccgattccgc gaggttcagt caccacacgc cgataacgtt tctgcttata 360



tgtggaacct tggcctgccc acagccgcgc tcatacctag atctgactcg aaaacggttc 420  
gacctatctc gctagttggg cgtacttggt tactgttgtc tgattttcat ccggcctata 480  
tccataacct ttttggttca gccaggaaat ggcagcctta aaaacttata tctgatgtga 540  
agcgagatta cctcccttct acacagtatt ctagatgaaa atc 583

<210> 6347  
<211> 583  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6347

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caggcaaaga gaagcaaaca cacgcgccac agagggaaac ccagccgccg ccaaacaaag 180  
cggacgcaag aatcaaccaa agganattcg tattcggtgg cgtaaagctt atggcaggat 240  
ctttgaatga tccttctcgc tatttcggtg gcctccagtg gcatatgaaa gcctgggcgc 300  
tttggttttt cagtccgtaa tcatggcctt cgtaccactt ttaccgggga ttgtggacag 360  
gaagatgcct ctattgggca taaaaagggc tgacacaagg atgtagcctt atccgtatat 420  
aacttaccac cgagagttcac tttgagcctg ttgtagatgc cctcagcaaa ctccttcagt 480  
tttggggaag gttttttggc cgcggttaga agcccggtag acagccatat ggtcacctca 540  
ttactgcaac ccctcctctg gtgttgctcg ttccgcaaaa tat 583

<210> 6348  
<211> 939  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6348

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gggagattcg tcatgtatga cttgtccagg tcgagactcg gagatgctgc ccggcgggca 120  
gcccgcgagt gtttgagggg agctgaaaat aattgttaga aagtacttag cgttatttag 180  
gagatagact cagccttgcc tttcgccata tttaacgtgg tcgtataaat tgtgttttgc 240

gtagaatatt tttgtggaga ccgctatcga taaaacacgg ttacgggaga ctacaccggc 300  
 cagaagcgca actggggcgc ttacatgcag gcgatctgca ggtgcttcct cctccataca 360  
 acgttttctg tagttgcctg tgctccagca tcgctgtctc tatgcgtcgt cttataactc 420  
 ttcacagcc atgaatgctc gtcgagaggg gattgatttc ctactcaga gttactactc 480  
 agatagaaac agccataatg acagcttctg gcaccacttg caagataacg cctccttgac 540  
 atacgtcctt gtcacaacag tatctgtgct ttttttcttg aaccacttta gatcaattcc 600  
 tgcttcattt gccagagcct tgtgggacct tgcncgctac ttaactccct tccgcatcat 660  
 cggcattctt gattcgaagt cgacgaattg tttggacgaa cctttggcgg agatgacact 720  
 tcagctaaaa ggagcgaagc agcgaatctt gacttaacca gcttacgttt ccgcgttttc 780  
 ctcagctagg gttttttggt taaaaccctt gtggaaaaaa acacttcctc cgggtagaac 840  
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 attactgggg aaaatttttt gcccaactta aaaatattg 939

<210> 6349  
 <211> 625  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6349  
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 tcgtcaattc ctgcgagccg tataggactg ggtggtcttg gaagttctcg ccgacggcag 180  
 gaagatcgat aacttggtca acaccagac catggaggac gtctgatgag cctattcccg 240  
 agagttgcag gatcttgggc gtatgtatcg caccggcggc catgatgatt tcttttcgag 300  
 cccgtacctt gcggcgctct gcgccttggg gtataacatt aaaggtcggg tcatatccag 360  
 ggacgtattc gacaccggat aagtcaggcg taagtctagt aacgagggct tctagcagca 420  
 cgtgataatt ctgtctctca tttgaaagct catggtaagt tgttcgtccg tacgaacgct 480  
 ctcggtgac tggatcaagc gagttcggac tccagaaacc tcctatagca ttggcagagc 540  
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<210> 6350  
 <211> 625  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6350

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 agtatgagaa catcagcctc agtggaatca gtaagtacgg tatcgtgggtg cagcaggatt 180  
 accttaacgg gggcccgacc ggcgagccga gcaacggggt gagcatcacc aatgtcgaat 240  
 tcaccgatgt cacgggaacg atgagcgggt gaaaggattt ttacattctt tgtgggggatg 300  
 ggagctgtga gaactttacg ttcagtgggg tcagcatcac ggggggtagt gatgatagct 360  
 gcaattatcc tgactctgga tgtccttgat ggatatcaag tttaagcggg aagcagtgta 420  
 tctacagcta ggtagcatgt tcgaatagca gtccattgct gagcctaate tatttctagc 480  
 ggttaccaac ccaaagaacc tattgagcct ggttcttagg agccggagga gccggtccct 540  
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 gtaccttgtt atgcaccgta acaac 625

<210> 6351  
 <211> 325  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6351

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 agggttaca actgcagatg gggatcttag ctctgcacct ttgggataaa taggaatgaa 180  
 tgacttaggc tcctggacct ctgtgttttt atttgtgaaa tgggatgaca agggcatct 240  
 cttaggtgca tcatatcaca cctgtgagaa gctggcacac agtcggaagt aaccagaaga 300  
 actttctagc attgggtacg taagg 325

<210> 6352  
 <211> 582

<212> DNA  
 <213> Aspergillus nidulans

<400> 6352

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acgcggggac ggacaaagcg gaccccaggg acccacgaag accgaacgca ggaaggccccg 180
ccacgaccaa agccgggaga ccacgagcga cgagcagagg caacacgcga aggagccgac 240
ggagccggcg caggacagga aacccgccgc ggacacggaa aaccaaagga ccgaacgacc 300
agacaggcca aggccaaaaa aagaaacaag gccagcggaa caactaacca actacgcgcc 360
cacgcacaaa ggcccccaga acggccacaa gagccccac acaggacgag gccccagaa 420
acggcacacg cccaggggcc gcaggacgaa accagagcca gcccccaaa gcaacgaaaa 480
cggggcaacg ggcacgcagg gccacctcac agcgggagac ggcccacaaa acccaacagg 540
gaaaagggcg acctgccaac gggaaggcac caaccgacaa ca 582

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<210> 6353  
 <211> 323  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6353

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cgcagcccac gggggggatc tggtgaccng cagcgggagg acacacaagc cgaccagga 120
aggaaccca acgccggcag aggaacacag anccaaccgg acaaccacga gaagcaggga 180
caacccgacg gaccacacga cccggcagac gcgcacgcgc cgcgagcgga gcggcaccgc 240
ccgcaggcca cccgaggaga cacagacagg cccgaaaaga cacaggctga gcgcgcgagc 300
gcgcaggaga ccagcggaca gac 323

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<210> 6354  
 <211> 716  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6354

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aatcagctg ttcgtacagt cgcccagtgt caaagccagc ttccagatgc gggaagaaat 180  
cgcgggcgaa gatgagctgt gccgaacttt ctggattgaa gtcaatataa aggaagtcgt 240  
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cagcgtttga tctgtcattc gagtttctctg gagagagtgc tcggggccct tgtccttcaa 360  
caggataggc gatgatccag tggacgagta gcagctgcct atggaggcga gaatctcctc 420  
gtgctgacca aataattgta acgactgaga gaattctcgg ttccgcaaga tagaagcgag 480  
aaagtctgga ttctgaaacg cgtccgtgaa ggtatctgcc ccagccgtcg ggtcaatagt 540  
ggcagaagct aaggtatccc acgctgcaac gtcgttaacc ccattcagcg gcgcagtctc 600  
tgtatagggt atgctctgcc acagtgacgg ctcaatagtc ccggctaagc ccgccgacga 660  
cgtcaaaaag aacaatgact ggtttgacga gacctgccct tgatgcgtga ccggca 716

<210> 6355  
<211> 533  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6355  
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gcgtacttca cggggaatat cctcgccacg ccaaccgacg taaataccgg gagcatgttt 180  
gaagagttcc ggtggtgatg accacttgta tgacttaaac tgccagggtt gaccagtgg 240  
gaagacggcg acgaggcgct gccagtagtc cggtttgaag ttcgcagtgc tgtcgacgag 300  
gatgaagcgt ggtgggtttg cgggccgtgg tggccttgag aagccagggg cgcggaaga 360  
cgaagaaagg tgtcggagat cccgaggagt ctgttgatg taaaggatgg ttgcttgccg 420  
cactaattgg gaatagccag agataggggt gtccccggt gccacgataa ctaccgttgg 480  
ccaaaaaatg aaccggacaa ttgacattcc gattaaaaaa gacgccgagg gga 533

<210> 6356  
<211> 611  
<212> DNA

<213> Aspergillus nidulans

<400> 6356

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actgccgaac acgacccaag cggcgctcatt tccttgaata tgtcagcgca ggatgagccg 180  
gtgcctggca actggaagaa aaaagctgat gatgaagtca agatggaaag tgctcaagag 240  
cctagacacg tacaccaagc gogaatgcaa acgtgagccg acaacgtaca accactagaa 300  
ctcaagctat cccagagggg ctcaagccac ctcccttgag ctgatctgta aagactggac 360  
agaggagaag aagaaaaaag ctcggtactg tatgctaaac aagcgacgta cgtccaagaa 420  
actccgatag ccaaaatacg cacggcactt actaaacgct gacaacagga tgcaaagtca 480  
gaaacgacag caccagggta cctgttaagc acgtcaagcc ggactggggac ataaccatgc 540  
tatatttata cccggaacca cctatacctg accttatgga ggaacaacct ggctcgagaaa 600  
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<210> 6357

<211> 563

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6357

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atcccctgaag ttctgacaaa aactgacaat acctcttcgc ggccagcaat tacaggatca 180  
ttgagggggag acacgcaagc gcatcgtcct cttaatatcc ttcaagctac cagtacagct 240  
ctgctgatgg cgatgaagct gccctacccc ttccaaatcc acagcatact gccctgttg 300  
ctaaccacaaa tgcgtgtgtg gaagcgctga tgctccact tttgtactag gccttcaatg 360  
ttattgtgtt atacttatgc ttccggagag ttgattgctc gagaaaaggc agcgacatgc 420  
atctgagatt gtttagcttg atgnngagta tgggtgtgggt gatttttgag gggcgctgca 480  
tgcatttctc tgggtacaatc ggcaagccct ggctctgggg agatgtccta gcagctgcat 540  
gactgaaaga tgtcatcaaa aaa 563

<210> 6358  
 <211> 863  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6358

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atcggttatcg ttatcagtag tgcggggaat ggcgggctaag gactgacagg cggtcgatcc  180
gccatcattc ggatactttc cggatggtcg ggcgatgaag gctgtagtaa gttgtgggag  240
tatgggggag atagagaaat tgggggttatg ctgctttcga tgtgaaatca tgctgggaac  300
gaacacttcc taacccttaa tcaattcacc ggatgacggg ataccctgta aatatttaaa  360
ccttatccga gtgcaacaac acagttccca cgccattcca tgggggggag tcttctttca  420
aattgtgtgg gttctgacct tccaatagca aaacaatgtt ggtgctgggc tgggcataaa  480
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cagggatggc tgcagtgagc tgggtctgcag ggtcaccacg ttcgggagcc acagcgctg  600
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caaagggtggg atggagtcca aaggttttcc aagacccttt gggttattca cagggtcccc  780
ggtttctttt tatttaactt aatttttttt ttcttggtcg cgggtatttt aaacaaaaaa  840
aagggggtgg ttttatattt ttt                                     863

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<210> 6359  
 <211> 116  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6359

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tcaggtaggt atatttttga aattctttca gaatgataca agttagaggt tttagg      116

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<210> 6360  
 <211> 638

<212> DNA  
 <213> Aspergillus nidulans

<400> 6360

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cgatgcgcca tgtctgcagc ttgttccgtc tgggagtggc tctctggcgc agataatatc 120
ttcccaattt ccgtttgata cggattcagc aaaagcgaac atcgccctata cgcagaatct 180
cgtaaagtc atccgttatg ctctgaact ccaagccgat attctagctc tcatcactga 240
aaagctggtg aagatcgacg tccaaatcca ggttgatatg gaagacttgg aagatgagga 300
gggcgaggaa gtcctgcacg ccatttctcc agaggctgtg atgtttgctg aggacctgga 360
cgatgaagat gacgatgaca acgcttccgt cgtaagcgac gagtctgttg agccggaatc 420
tcgacgtttg aagactatca aggagaacat cctcaaactg gacggcatga ttgacacact 480
gttcgaatac tacgcaccac ccttcacatc aggcaccctt gacgacaagg aaaatgctct 540
cgacctgtc ctcagccatt tctcaactat cattctaccc acctaccgct ctcgccattc 600
gcaattcctt ctttttctact tctcacaatc ctcaccaa 638
  
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<210> 6361  
 <211> 492  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6361

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tctctttccc ttttttttct ttatttcacc agcattggga tgcgcctgga cttcattctc 180
tcaccatttc tttgcttttc ttcaattccc cattgtctct ttccttctaa ctgtatcttt 240
tcctactgcc ggagattgcy cgttgagtct ctgtgcgttt ttaccgcgct ttgctgaaa 300
ttgcatgtc aaagtatgta atgtgcaaag accttgagg ttgtcgtttt agcagccgaa 360
ttgaagttgt caagtcgggt ttcatgtctg cattcatatg acatggtcgt cttacgatca 420
agagccttga cgcggaaggc cagtgtaaaa ttctgtagct ggcttagtag atttatctga 480
acaacccgcc ct 492
  
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<210> 6362  
 <211> 828  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 6362

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gcaagctgga tgtctttctc cgtttcttcg tccagattct taggtgattc atccacctca 120
acgggcatat cggcagcagc ccgcgagtct cgcctcaaag atggtggctc tgccatagca 180
gcattgcgac tgacgccgtc atcctcggtt tcatcccgcc cccatgcctg cgcaagccgt 240
atatgtttca ttgcagatt ctcgagtgtc tcggaatgct tctcccaaaa tacatgtccc 300
cggacagccg cgctgacttc cacgtcagaa agggcgctct gcatttcctc ccagagcgca 360
tcggagccat ctacctcacc cctagactga gtgcgggaca aaaacggaga gagaccaggt 420
gcgtcgagag gctttggtga agagcgctc cgatgcaaca gagggatttg cgacccatth 480
tgatcacctc cagtagtaac taccgaaggt acgggcggtt gaagcgatag attcgatgca 540
ttgtgggacg gcggaccctg aaaaagggcc ggaggaggca gacgctggga gctcactttt 600
ctcaaagagt caggggaggg gggggtgtcc atgaatacgg aaggcagctg gacaatttgc 660
agcaagcttc tcacattctc ccaataacaa attctctctt atattactca nagtaaaacg 720
agatggaaca ctccaaatgc agtaactcga tgctatggct ccttatcggt atcgntatcg 780
gacaagcggg gcacgtttat ccgatccgga actcagactc gcttagct 828
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<210> 6363  
 <211> 644  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6363

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ctcgccgccc ccacagagcg catcttattc gtccccgcct tcgatgatgg agattttcgt 60
atcccatatt ccgagcacgt tcgtcccgcc aacctggcac ccacatgtgc tacaaaagta 120
cagtttcgct ccgctcccag gcggcggtga tgcagtaaga ttatcccagc ttgagggggc 180
tataaaggag ggttttactc cttctggaag tggagcgtgg tacgaggcgg ttgtgccgtg 240
ggttgtgcgg cagaggggtgc aatggcacag atgcgcgcgg agcgggaggg aggttggttc 300
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aacggtaagg gcgaagtgag tggaacgaca gtggcaacgg atcgtttagtg tttttgtaga 360  
catttcttat tcgcttaagc aaagatgaac ggatagggat ggagatatag atgaggacct 420  
tgaggaaagg ctgcagaggt tttagtgtt ttgtatacga tgcggggtaa cagatgggct 480  
gacgttatcc tgcattgacg gacttgetta taaatatcaa atctaataata tctagcacga 540  
attgaggaga tgacgtccat caattcatcc caaaaatgtc tcaggttggt ctcagccaag 600  
agactaatag gcatgaatag gttcgaccca gtaaactgtg gccg 644

<210> 6364  
<211> 596  
<212> DNA  
<213> Aspergillus nidulans

<400> 6364

agggaaacac tcagcccgac gcgccgcgaa cgagtagtaa gccccgagaa acaggcccgga 60  
ccgggcgga tacaacaaca accgcggcgg ggacaagagg aacaccgaca cgtacaaaga 120  
aaaagacagg agagcggcaa caaagatcat cactggcctg accaccgagg gcgccccgct 180  
gagactacgg cacaggaccc aaccgacgca gcacagcggg cacaaacggg ccgttctcgg 240  
acgccacgaa ccacagctcc cgagaacgag cggcccgac cgcgctgcgg ccatgccgcc 300  
gaatccgaga ccgctgtgac tgctcctgct ccacgccgag ctcatagaag cgaacacgga 360  
ggatggcaag ggtggaacgg aaatggggga caacagacgc gctggatcga caggcggcag 420  
ccaacactga gacctaacgc tggagccagc ccgagtccca gtaccaggag gaacctggc 480  
aagacctgcc aggggtagca acggacaatg ccagcttcaa tgacgagacg aagactgaca 540  
ccggaccagg gaaggcatg gcaaacagat gactcagacc tagccctaac agggcc 596

<210> 6365  
<211> 1240  
<212> DNA  
<213> Aspergillus nidulans

<400> 6365

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aaaggggaaa gatcctcgag tttaacaagta gttgggcccc ctaaaaccgg taggtggcca 120  
agccctttgt tcccaccagg ctgtttttcc accagtgtca agggatcatcc tcggcacaat 180

aggttgacaca cccgtgcttc gccccgttaa ctgggatctc cttgaacgga accgcttttg 240  
 ggactcaagg tcctccggtc attgtaccaa ggtggttgac ctgcgatcga ggtaagcttt 300  
 atcccagcgg tgatcaagaa gtcaaccagg gcagccttca ttttggctctg gcaagactta 360  
 aagtcacgc ccacgatgaa gccgttgtgc ttctcggcaa gctcattcgc accaggaaca 420  
 aaggtattct ggggagaccc gttgatgaaa ggagtgttgt cgaggataca agcaacagcg 480  
 aagacggtag agggagaaac ctccgtgtga ccggacttaa tggagttgac caggttctca 540  
 gcagtgtcgt tgacgccagg gagaatgtcg gcgtagcgtt cagtgttggc cgtccacatg 600  
 acaatcacct tgtcaagacc attttcggcc ttgaaattgc tgctacagtt agtgaggttt 660  
 ctcaaattgc agtgaagta acttaccgga tatccgcctg aatcttctca acatgagccc 720  
 acgaggcctt gctgccctcg aggacgttgt cggcacgatc ctccctggttgc gcagcgatga 780  
 agtcagggtg gtaaacgctg ggcaaaggct tcattctcagc catttcctta cggacaagct 840  
 gcttcagggt gggctcaagg acctgggcac ggtccataga gtcagccagg ttcattgctgc 900  
 taatgtccca gccaccaatg acgaggatcat tggggtggac catgggcaac atgtcattga 960  
 aggggatgtt gatctcctcg ccagtctagg agtcggatcc aagcttaatg gtcgagctca 1020  
 tgacagggga cccgtatcat ttggaagaac ggggcctttc ttgggtttcc agaaaagggt 1080  
 cccacattgg gagagttacg gccgtaaaag gaaccgtttt ttcacccaac ccaccccata 1140  
 gaccaacttg ccacctacgg caacttgaat gatggtgccg cttagagagc gtagcttgct 1200  
 ttgagacagt gaatcgggtt tgtagctaag cttgattcgc 1240

<210> 6366  
 <211> 632  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6366

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 gaccacacg accggggggg gcgagaaaaa agaaaacgcg ggggaaaaaa ccgccaaga 120  
 aggaccaca gacaaacca ccagccaacg gaagagggcc aaaagcccca aagcaaggaa 180  
 gaggcggacc acggaacaaa acgggcacac ggggaccgcc cagaacacgc agacccaaag 240  
 ggcaagaaaa caaaagcngc gaccacagag gaacacaccg gcaaccgggg acggccaacg 300

actgcaacgg acggcagggg aaaggaaccg ccagacccgc acgaagacaa gccccggcga 360  
 ccgggaacaa agctgcaccg aacacgccgc cgacacccca gcgaggccag acagcagacc 420  
 aacgcaccac aagactaccg caaggcgaag ccgacagcag cacaccaaaa ggcaccctgg 480  
 acagaaccag cggcacgaaa ggaaaggcca cacaccggcc caacacccgg gacaaggcca 540  
 gaacccccaa cgcaagcgag cgccccccaa ggcaacggaa acaaaacaac gcagtgaana 600  
 gccacggaaa aacccggaca aaccgcccag aa 632

<210> 6367  
 <211> 730  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6367  
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 gccctgatga tggccccaaa gcatggcaat acttccagga cggataaaa gattttgtca 180  
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 acattgatag taagggtcaa gtttttgaga cggtcattcg aggactgggt atgcgactgg 300  
 gccttctgct caatgaatcg agaccatgct tgtgtctaac cttagtcttt aggtgggctg 360  
 ctaagttcgc atctctttgc tgtcggatgat cttcccatta ctcgttatag tcccccgag 420  
 aaggaggcgg cgtatgcaa agcctgggat aagacgtcct ttgccgccga tagtcgggga 480  
 atcgctggg ataatgggtt tgtgtacgat ggtcaactgc tccgacttgc tgttgaccta 540  
 gcgaatcgca tcctaccggc tttttatacc catacaggtc taccttatcc gcgggtgaat 600  
 ctccgtcacg gagtgcacca gcagcctttt tacgccaatt caccgtagaa tgcggatact 660  
 gtacgtgttt gcgatgataa aaatggtaat gtctgtgatg cgtcatcagc ggaggtcacg 720  
 cagacatgca 730

<210> 6368  
 <211> 370  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6368

gggaaccgct aaaattcggtt ggtcctaaga cgctttttgc aaaccgtata agtccggttt 60  
 tgacgccacc agagacgtag gcagtctttg cggatattat gaccacatac ccgccaaaaa 120  
 ccttgtaga gtcagtcact caatagggga aataatttgg agtattttga ttaccaaatt 180  
 gaaaagagca cgttggtatt attatttaca agattttatg gatgattatt tattccgggt 240  
 ctttgattgg aatggtcagt aggattgaga taatgattag ctcgggcctc tctatggetg 300  
 ttaacagggg aaagaatatt cagtgtgtct cttcccatag gactcgtatt tcctttggct 360  
 gcttaagcct 370

<210> 6369  
 <211> 838  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 6369

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 tggccgaagc cttttccagt ctgcgcttcg tcgtgcaaga ctcagccgag cagatcaacc 120  
 agagccgccc gtcctaaaat cacaactgga aagtgtccgg tctgccatcg aacttggcat 180  
 ttacaaccac tgcgacgaac agcccattca gaacacagac atatttctgc tgcgcatggt 240  
 gctacataat cataccaacg ccaatgccat ccggattctt gcccccttgg tgcggcccct 300  
 acaaacaaat ccagctgtgt ggctgtcat cgtcgacgca gtgcttccgg agccaggtga 360  
 tgacggctgt ctagatgaag cactccagcg gtaccgggat ctgacgatgc aggaagtgtt 420  
 caatacccgg gagcgaagcc tcacggagtt tcagcgactt ctggatgtca tcagcgacag 480  
 cgcgaggcag ctagtagggt aagaacctcc gccagatccc cagcctccgc gctgtccgnt 540  
 atggatgttt ctatcattcc tacacgaacg gcacaagtcg actagtgatt gacaacaccg 600  
 ggggccggat tgcattcttt ttccatcctg atgatggttt aatttttgcc aaaaaaaagg 660  
 ggtgttgaa gggccgaagt cctttaagga aaaaagcagg acaggggaat ggcaacaaag 720  
 cagagcaaac agggagctac cacagaacct atacagagcc gnggactgga aaggggtacc 780  
 ggagaagttg ctgttgctct aggatattat ctgcctacac gaggtgttgc tgtggaat 838

<210> 6370

<211> 965  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6370

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cccctgtcta tcttggccct cgaatcctaa caaaacgcc ccgattaaga gcaagtgcct  120
ccatcgcggc gactttctcat cggcaccccc aacgacagcc ttaaccatt gtacacgatc  180
caatttccta ggcccaggcc cgccccatgg tatccgcgga tcttccgact cttcgctctg  240
gagaattgcc atcgcggttg tattgaagac gctgataatc cgtctgcaga cgtggagggtc  300
gacgggttgg tcccatattg ccggagctgc tagcagctgt gaagcgagta gtgtaatgtt  360
aagtgggttc tttagaactg cgaggagact cgttgcagtg ggaaagtaggc tagtacacag  420
gaagatgtta gctgttgcac ttaaacagac cgagaagctt atcggcattg ttctgttacc  480
ttaatccgtc ttgctcgtgc ggtggtatth gaaggagcgc cataaaggcg cccaaagacc  540
gctcagttgc catgcttggg gagagaccaa aatttgtgtt atgggtgaca taggggaacc  600
gccaagcctt gagatgtaaa cagcgtact tcttttaccg gacattgcgc ggacatacct  660
gccaggtaaa tgaagtgcaa cttcaaact gttcttctct ttgagagata aaatatgccg  720
ggtgctcact ccatatthtt gcacttacca ctttcgtttc gaggcgatat gtccccctaa  780
aagcaaaaacg tccaaaaacg gacgtgtcca cttacacatc cggccgaagt gttatacctc  840
caaatgcata cttcggcctt ttcacctcct ggggcttccc acgccgcgaa tttgacttht  900
cccccggtag ggggggaact ctactctac aaaccgtggc ggcgcccctc tttctatccc  960
caata                                           965

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<210> 6371  
 <211> 501  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6371

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ccgataaaac gaagggggcc ccaggcgagc aagggggcaa caccacagca gcccggacgc  120
gcccgcgcag accagaacac aagaccacgc acagagctgg cgaacaccag cgagagaaaa  180

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aaacatcgag tgggcaaccg ctcagccccg caaagggcag acatgaagcc gagaccagg 240  
 cgcagccggg agcggcaccg tgacgccgag gcgagacaga cgagcatatc ggcgtcggac 300  
 aaaaaggcgg acggcaacaa gaaacggggc cgggcgcccc gcgcggcccc agaaagggcc 360  
 aaaacaccga ggccccgaca ccggagagag atggaaaccg cacgcacgaa caaaaaagcg 420  
 accaaccggg aaacaaaaac cgcaataaag aagagcaccg gggctgtccg gaggccccag 480  
 ccccaaagag cgggcaaagc c 501

<210> 6372  
 <211> 583  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6372

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 aataggaaga gggttcgggg tttcatgaag tggactatcc agaaagtacg gccgggcggt 120  
 gttctccctt cagttgcttt ccaatatagg gtactaacgc ggcttttcag ggccaaaaat 180  
 acgccgaaaa ccacaccgaa ttttcccgct caattggaga aagttttggg actcggagct 240  
 gagccctcgc cttccacttt acgcgtgcga gcagacgctg gcccctgggt ggaatgatca 300  
 cagaggtcag ctagttactt tcactactag gccgtgacaa ccgctaacgt tatgttttag 360  
 acgtgtataa aataggtgat attgcagttg atctgtccaa tgttgatctg agcagattca 420  
 actcgaagct cattgacgac aggcgcgcgt acgatataca gctccatctc aaggtcactt 480  
 ttggtgctca ggaaggacta ttgaaatata aagctataag tcaagggaaa acgattggag 540  
 tgacaagtat tgatcatagt ctggctaaat actactgatg gtc 583

<210> 6373  
 <211> 812  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6373

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 aaagtatcac ttagaacgca aggggttcaa ctgcacaaag tataaacatc cgtatccata 120  
 tcccatcaac acaatcagtc tcaagtagtc ccccttcac attgaatcat ctggatgcga 180

ttcaatccaa gatgagttaa atcataacat gccccgtcat cttagagcct agtccaagggc	240
cagattttatc ctatgcccc tgcgcccaca agcggtagta tgcaaggtaa actagacttt	300
aactaaacta tccggtcaa cacgcaggat atcctccgcg ttatcctcgt tctggatgag	360
gacgcggccg cgctccgcg cgccgatgac aatgtagtgt gcgtcttggt agcggacgcg	420
ggtgccagat gggaactggg actggggcag agcagatatg gtgttagtta tgacagctga	480
gagacggaca agaacgttg tacatgggtt tgtaggaatg tttgattggg atggaggcac	540
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ggtgaagtgc cattagctaa tcacactgtg ggtgggatgg aaattggagt ctgtttgccg	660
tatgggacga tgttttcttta tcttggtagg atgacaagta aactctcgca ttttaagctg	720
tctgactcct ccaatgcaaa aatgcaggct agtttattgg ccaagacaag ttgttaattc	780
taaattttgt atttcaacaa tacgggagag ca	812

<210> 6374  
 <211> 610  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 6374

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agacacgaca gccaacaccg gcaaacgcca gacagacagg acgagcagga caaccagcac	180
gggagggacc agcgggagaa caacggagg accacagaaa aaggcagaac gcggcggcaa	240
gaaagcacc acgagggcag ccggaaaaga gacgaaaaac aaagacagcc cccggcccga	300
cgacgcccga cagacgggaa agaaaggaca aaccggggg gccacccaaa gcgggaccgc	360
aacaccaga gagaaccaca cccacgggc gcgcgcggg cccggccagg aaaaccngga	420
acaaaaaccg gaggcccaaa acagcggcac gggggcaacg gaaccacacc aaaaacaggg	480
gagggaccaa caaacgcccc gccgggaacc aacaggggac ggggaacgag gggagaaagg	540
ccaaaaaagg ggaaaaaac aaagcccggc ggaccagaaa agaaaaaac acaagggggg	600
cacaaagcgc	610



<210> 6375  
 <211> 612  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6375

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acgcaaacc atggagaaca gacggacagc agcgcaagag aacacactga cagagtcaa 180
ccaaggaccc gagagacact actagtggcc acgagtaatg ctggacatgc gagtgtgact 240
gggtccgaga gaagcccgaa tgaccacaca gccgacagga gctgatggca acgaaagtgc 300
tactcagag aggggtgaaga cgaagcggcc agagcaggac ccgcaatgac gggctgacca 360
cggccaaggc gaaacgaaag tgcacaaccc ccagaccatg agcaccagat atagaaccca 420
ccgtcgaatg gcaactgagg ggacaagcac ccgaagaacc ggaggcccaa aatccaagga 480
aaataaaaca agaaaagggc acgggaggaa ggatcacaag gcaaaacccc acccaaaaca 540
aagggcggac aaaccagga gcaaagtccg gcgtaaaaaa cagccgaagg caggaaaatg 600
gacttgacag cg 612

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<210> 6376  
 <211> 574  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6376

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cactgtatgt gaccgattca actttgtgca cgacttggtc ttgtacctct accagaacca 180
acagtacaag tcgatcgagg tctacgtgca gcgtgtcaac ccctcacgca ctctgcggt 240
tgttggcggg ttgctcgatg ttgattgca tgagagcatc atcaagaacc ttttgaccac 300
cgtcgacca tctgtgatc ccattgatga gctcgtttc gaggtcgaga cccgcaacag 360
gctcaagctc cttctaccct tccttgaggc cacacttgcc actggtaatc agcagcaggc 420
ggtatacaac gctctcgcca agatttacat cgacagcaac aacaattcaa agaagtttct 480
ttaggaaaac gatcttggtt acactttggt tggtggaaag actgcaagaa gcggaacca 540

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attttggact tgttaccgaa gggacagatg actg

574

<210> 6377

<211> 699

<212> DNA

<213> Aspergillus nidulans

<400> 6377

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aggtgagagg gaccattggg tggaggggat ggacgagggc gagattcggg cgctgggtga 180  
taagcgcccg gattttatat acacgctttg attggggcat cctctcagag cctaggtcga 240  
gttgtgagct gtgatcgcta gcatatggtg agacgcaagg gctccgtgca caagattccc 300  
cggggatcga gtaggtagct aatatataac gcccgctcaa gccatgaacg cgtgcatccg 360  
aacgcaacct catatcctca gaataccaag tttatatggc cctcgagtat aagttaacaa 420  
tatactgcc cttacgcggt cccctaacaa catgccgact tgcccaacta agcactttcc 480  
cgctctcatc aacgcgaaac gcatacgccg tgcgatacat atcattaatg cataaatgat 540  
ttccgcgcgc cgcaatgacc ttgggttcga gaccccttg ccaggccctg cactttgggc 600  
ggcgtaaggg gggccccgaa actccgctga ttgaagtaga caacgggggg acgcaaatg 660  
aattcttga atgggtatcg gctttttttt tttcttttc 699

<210> 6378

<211> 576

<212> DNA

<213> Aspergillus nidulans

<400> 6378

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ggaacggcgg gggggctttt ataggggaac gggggcccc ctacgccaga ctctaggccg 120  
caaagtccac cagacatatg gagtgttcaa taggcaggag ctatccgcgc cagaaaaaaa 180  
ccccaccctt agagcagatc aacttactga acgaagctta acatgagctt cacacggcca 240  
ccccaggcgc tacaggctct cctcgccccg atcagctgag aatacacttt cacttggcca 300  
gattgttaat gcaccaata ttgttatcca caactcaagg tgctaaggga gactcatgga 360

gaacaaaaat ctccactatc acaaaccgac aactgccccca ttgattaaga gtatcagtga 420  
 ggtaccaacc atgatagtga agacaccgat tctctagccc tctaaaattg tgctagagga 480  
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<210> 6379  
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 <213> Aspergillus nidulans

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 cctgcaagct catctcgctt gcgctgagcc ttctgctgcc agtccattcc cagcactacc 660  
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gccatcggta gacactttgc cgtagcagca gctatacagt ggcatcgcac ggcaacaatg 420  
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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
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 cgcaatatgg accgatcgac cattgacgat atagtatctc gcgtcgggaag acttcgctgt 540  
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 <211> 545  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
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 ctggttgtaa gtgtcttagt ggtccggggg acaccgggcc accaccccg gtgcttgctg 240  
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<210> 6383  
 <211> 1041  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6383

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aatagacga caaagcgcgt taaccagaac ctaagaatca agtcgaattg cagaatgacc  960
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<210> 6384  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6384

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 gagcctgacc cccatgttaa gtaattggcc tttccatcga ctgcaacttg gcctatagcc 480  
 catgggtcct ccacggacag ttttcgctcc cgccccgacc gcctgtcccg tcaacgatag 540  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6385

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 acagccgcaa agacaacgcg ccctcgacca gagaaaccac cgatgccctc cacaaacgcg 240  
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 cagagcccag gagcgcacgg aatagagcct ggaccaacaa gagcgcccct gcgaccccc 360  
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 <211> 577  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 6387  
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 <212> DNA  
 <213> Aspergillus nidulans

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atgaacccca acaaaggctg aggacacgga gggagcgcaa aggcgcgcat acgagcaccc 180  
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 <211> 585  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6388

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 ggggaccgcc tgtagctcct agtaatagga tagacctgct gtctgtcact tggttagatc 540  
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<210> 6389  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6389

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 gtcacaacgt agagatttag agattgtaag agggtagcga tgagatgaag ggaaaagaga 180

aaagaaaaag ataatgcgtg ataacaggcg cgggtgggct agtgctggta tgcgaagggt 240  
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<210> 6390  
 <211> 913  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 6390

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<211> 492  
<212> DNA  
<213> Aspergillus nidulans

<400> 6391

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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agtccaagag cgcaccgttc acataacaac caaccgagca acccgagcc ttgctgaatc 300  
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gcttttccgc acaaacaaca aacacctaca agacttaatg gtgagcccaa gcccggaatt 420  
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 agacaaaggg agaaaacctg tcaacacaga cagcgaggaa atgcgacggc gcataactcg 600  
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<210> 6393  
 <211> 460  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6393

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 tttgaagaac aaaacaccca tcccggagtc tatataatgg gtgttttttc accaccttgt 360  
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<210> 6394  
 <211> 466  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6394

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 ccgtagaaat gtccgtgacg ttcttaagca cttttgtgag gatttcaagc tcaccgcgag 300  
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<210> 6395  
<211> 889  
<212> DNA  
<213> Aspergillus nidulans

<400> 6395

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catgagaatg aaatgggaaa gcaaggaaga gcgtacgagg tccacgaagc ccatggcggg 420  
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cttccccgaa tcaaccgccc aggtaagggtg aagtaatact aaacctctct tccacaacca 540  
actcatctta cgctttttatc ttttcaaate tacaccttat gacataaagg cggtctttct 600  
ctgcgtttcc cgcctaagtg aatcagaacg gtattgcctc ctgctttaca gactttcatt 660  
tcccgtacca atgtattgac ccaaaggggc ccttagaacc ttttaaggga tgtttttgag 720  
gcggcgacgc cccacacgaa aggccttttag tgtggcaggc gccccgcggg gagctttcac 780  
gtgaaggatt ctacgggaag cgcattccatg tccagattta gccgtttgga tttttctacc 840  
attttatctc tattacatct ctttttacct cataattatc aaataaaat 889

<210> 6396  
<211> 1132  
<212> DNA  
<213> Aspergillus nidulans

<400> 6396

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gtggacttat cgtctgacag cgggctcacc aaggctctcg aacgctacgg tggcgtattc 180  
 tatcatatcc cacgagtaag gacaacgctc ttcccggat agtgcgagc ttatctctct 240  
 tcgtatgcag aggtcgtcca ttggaaaacc ctcttattat aggcctgggc tcctcttgtc 300  
 atatctactc atccatctcc cggcgactcc tcgtcattcc agcgttttcc agctcttcta 360  
 gcatccagtc atggcaaagt cagtgaaga aaaggcggcc gcgactgtgg cggcggacag 420  
 tgaggtcggc caggtggtcg actaccaggc gcatgaccat ggagccgact ccgggctcag 480  
 tcgtaccctg gagacgcgcc atctctcat gttctccatc ggctcgtcta ttgggatggg 540  
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 ctactggata gcggggctcc atcgcgtggt tactcaacca ggccgtgggt gaactggcag 660  
 tcctatatcc cgtcccagagc gcctttctc agtgggtctg caagtttatt gaccacgctg 720  
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 ccaactaaac acggctggat ctgactcatg cctaccctgt tcagggtctt gtgatggact 1020  
 gtttctttt ggtccaatgt ggtgtgttca gaccacccta tgcgccaatt gaccattgtc 1080  
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<210> 6397  
 <211> 505  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6397  
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 gaagcaccac ccaaacccca cacccaaaaa ccacaacctc aacaaacaac acacaaaaca 180  
 cacacaccaa aacaaaaccc accaccccca cccacacaac aacaacccca accaaccccc 240  
 accccaacac ccaaaccaca cccacacacc acccatacac caaacccacc caacaccacc 300  
 aacaccccca acacaaaaca ccaccccaaa accaaaccca aacaaaccca tcacctcccc 360

acaccaccaa cacaacaccc acaccaacaa cacaaccacc caacaccaac caccaccccc 420  
ccaccacccc aaacacacaa aacccccacca acaaccaaaa ccacccccac acacacacac 480  
cccaccacca aaacaaaaca cccca 505

<210> 6398  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6398

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gcactagaga gatcacaact gatagaccac aacggagaac atgacggtta caaggaggga 180  
atgcaaccac gagcacgtga ccaggctata aaaaaaccaa aaaaagacc acaaatgctg 240  
tggcagcata aggaacagat ccccgacttc caccctaaac cagacctgct cccccctcg 300  
aggtgccacc gcccaactaa cacaccaacc acaaatgca actcatcgac gggcccaaca 360  
acaaatcaac agggggcaaag tggaaccccg tacacaaaa cccgcgcccg cgaggaataa 420  
gccaaaacga acaaacgtgc aaatcacccc ggtggaaaat aaccaaacgc c 471

<210> 6399  
<211> 561  
<212> DNA  
<213> Aspergillus nidulans

<400> 6399

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caatctgtgt atcaggagct ggtgcttcat tgccagactc ctgcctggc atggtgatgc 180  
cgtaaatgag ctggtcttcc tcttctcat cctcagactc ttcttcagaa ccaataatat 240  
cctcgtcgtc ttcgacaaac gataagctga cgtccgacct cgtttctacg aggtcgtcaa 300  
ggataaaatc gtcttcatcg tcaacacct ctggccgaga tgtggagtaa tttgtaggct 360  
gctgcaaccc gaaatctttt gcatcatccg ggagagattc ctctcagac tcttcgccgt 420  
cctctttctt ttggccgcc tctgctttcg cctcgtaacg tcttcccacg cattctgcaa 480

atcgttcttc ctcgggtttt taaccggtgt gccttttttc gccttctttc tctgcttaga 540  
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<210> 6400  
 <211> 986  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6400

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 ggccgacacg ggggctgaga tacgtgcttg atagtgccaa ccattgggtcc aagaagaacc 180  
 atatggcgggt taaattgagt tcgggttggt aacctcgact tgaaacgtgc tgtaagctcg 240  
 tactgtcgat gggtgctagg gctagaactg tgacgtggac gaggagccca agcatgggtg 300  
 aggcgaatat caggaaccag cgctatgttc attcgtctat gatacgaaac agagatatag 360  
 gagaaacaca tgcgagaaag actgattgga tataagacgg tatctaccta atgcacccaa 420  
 ttccgtatag gttttaccgc gcgaaaatca catatccgcc gctgtccgtc agaaaaatgg 480  
 taaagacacg aaatgaaacg aaggtaagag gatccatcac gacaaaaact agtagtgaag 540  
 tgatttgaaa cgagttaaga atgtaagcac tcgtaagcaa gcctaggggtg ccacccgacc 600  
 agccgatgga tgcccttgcc ttggatttac gagtgaatgt tgatgtggcc gtgagcgcg 660  
 ctgcgggagc gcttctcttt aagcatgcgg gacttgatct ggacagcctt gactgcaaaa 720  
 ttcgtgttct ggccccgggt gcattctgta ccgctagaca gnggtttgga cctccgtcca 780  
 agttccgctg gcgcagcgtt ggaaggacga gcccctaatg cagttccagg agtcttcgtc 840  
 ggtgcacggg ccggaaaggg cgcaagcgtc gaagtgtgct ctgtcttagc gtgaggtcgt 900  
 gtggcggttg gtgcaagtac cgcacttaag gtgaggagga gtangaatga cggcagctc 960  
 attggttggc agtgtagctc aacgtg 986

<210> 6401  
 <211> 983  
 <212> DNA  
 <213> Aspergillus nidulans



<400> 6401

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gtggaagacg agggccacaa cctctccact cgcattctta cgaatctgaa ccggaacccc 180  
tggaaggaac gacgtcgcgt tagcttcagt cacacaaaat ggtcctcatc ggaaagggcg 240  
tgccttcttg ataggtgctg atccttgaca tgcgtctcaa aggctacctc agacctgaat 300  
ccggtgttgc catcgcaggc tctccattca catatgcgtg ggctgttatc gatggtccta 360  
aaaatccgaa ccgttaaata tgatccttcg gcttctccag ggcataggat acggtagagg 420  
cttactctgc catagaattg tcatgctcag ccatatgcct atgcacatta tctgaatctg 480  
cattgctcag atttgatgtt gtaccgccac aagctgatgt atatgccgac tgataatagg 540  
ggggaccggc tacggaccca tctgttaccg cctggggcca taccacgggg tcaatgtgtg 600  
tcgtaatgcg ctccgtactc gagtactcaa cagtttgccg attttggaa aggggtctt 660  
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gggggaaagg atcccagggg aggagccgcc acatgggtggg gacagggttt tcgcagataa 780  
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ccccccctt ttctttaaaa aaa 983

<210> 6402

<211> 592

<212> DNA

<213> *Aspergillus nidulans*

<400> 6402

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tgaggctgga agataagcct gatttagcag aaggaatata aaaggtttcg atataagata 120  
ataggatatg catatctgac agcagcagtt gtttgcggtc atgtaatgag gacagaaatc 180  
taagccggtg atagtacaga agttgatatc atgtcgtatc ccaactcaac atccaagcaa 240  
gtcaattcat tgtataggcg gtgaagattc tctcaagatg catttcaaca gtcagtaatc 300

tagctcagaa ataatctaaa tcgttagtcg tatcggtgaa acaattatcc gggaaccatc 360  
atcttaaagc tggtcattat gcgctcgtgt cccaggtgca ggggcaattg tagcctcagg 420  
gtataacggt cccgttcccc acgtggggccc ggacaccggc tgcgtctgag actgatatgc 480  
catcccaggc tcatacgtcg ggagctggcc gcctagactg ggattatgag ttcgggtata 540  
accctgctgc atctcatacc aattcgtaac atcttctctg ctagatgagg ac 592

<210> 6403  
<211> 559  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6403

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ccacacaaac aaaaacacca cccccacac accaaccacc acaaaatcac ccaacaccca 120  
acacaacccc actaaccccc cccccacccc accccaccca caccacaacc ccaacacccc 180  
accaaccccc accaccaaca ccaaccacccc caacacccca accaaacttc ccaccacccc 240  
cccaacacaa ctcaccacac atcaaacacc cccccctccc cccaacacc accaccaaac 300  
caaaccacac ccaccaccac acacaccacc caccgaaccc cccaacacca cccaccaca 360  
accacccacc caccacaca ccaaccacccc accctaacac ccatcccaac acccaatcaa 420  
ccaccacaca caaccccaga ccacccccaa caaccacca caaacaacac aaacccaaaa 480  
ccccacacc aaaccccaac cccacaacc accactcaca caacaaccaa aaccccaaca 540  
ccacccaac acccaaac 559

<210> 6404  
<211> 969  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6404

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ccatgtctat ctgcccgcgc tcggcgaata cgtaagtga gtgatccgcc tcaagatcac 120  
acataagcac atcttaccgg tcgcatatc gatggcctcc caagctgtgt gggagaagca 180  
cccgatacc gactgtgacg agctgttgaa actctcagat agtatgattg ttcttgccgc 240

ttcttgccgg gattaggagg gtgcattttg tccggttatt cgcccaaagg ttattatgct 300  
 ttgggtcatg gtgtatagcg attttgtctg atgtggactt ctaaagctcg cttagtttac 360  
 aaaacctagt ctactagag taagttaata ctgtcgtcaa attgattgaa aaactaattc 420  
 tggtagcggg ggtgatgtta gggaagacgc tactcaatac ctgtagctgg agctgcagtc 480  
 tcaagagcaa taatggcacg gatagtactt ctggcgggca tttctaccag cgcaatgttg 540  
 cccagcggct tactttgttg tgaaatcggg cgcagttaga aattttcacc tacaatgcct 600  
 cagttatttg ctccaatggg ttttccactt gagaggatta acccaaccat acccagggtca 660  
 gaaaggcttc ttataaaaat gcataaccta gccagttcca aacgcctcat gagcatcaga 720  
 gctttgcata atcactcttt ggccggggcg taagtcattt aagcttgtcc aaataacaac 780  
 ggctccttaa aatgctttta ggaattgccc ccaaactcct aatttccgtc ccttagtttt 840  
 tgaactttgt ttgaaccaat atttttcttc ccataatggg ttgaattcag ttcgagccgt 900  
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 ggtattccc 969

<210> 6405  
 <211> 436  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6405  
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 gacacagtgc cgaagcggct tggcatgagg agcaccggc ttaactgaaa cgctgatga 180  
 aggatgctgc taccatatcg ccaactccag atgttcgatt gagggctcat gccataaatc 240  
 agaggccggc tgcaggagga ctgggaccga tactgtacgg gtaaattggca aatgatcctc 300  
 ggacggagat agatggcctt atgacgatgt gtgtctgctt ggctgagcta ggatgctccg 360  
 tcttaaaggg atacacgaag cattagagtt cctgagagtc caccttgagc tactagcaa 420  
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<210> 6406  
 <211> 548  
 <212> DNA

<213> Aspergillus nidulans

<400> 6406

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tcctacgatg ggcattgagcg actgggcata tgtagaacca gtctcgtcaa cactggcagc 180  
acaactggca ccgcgtctct catcccaggg aagccagatt catcatctaa ccaaagaagc 240  
ctttgcgcaa cttcgacaag aacttttggg ggggaaattc agtcacttaa gccttgatga 300  
cagtgtacc gatgttagca gacttgtttg catcgtgctc aaggccggcc ttgagccgtg 360  
tatgaacgat gaaaagccgg acgaggcaga cctgaacggg caattgttgg attgtttgga 420  
catcatcaaa acggcagtcg gcaaagcccc ccacactcta acaaagggtc ctgatccaaa 480  
aatcctcggc gaaaaggctt gcgctccgtt atacgtttgg ctggcgggtc cacttcaaca 540  
cctgtcgg 548

<210> 6407

<211> 998

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6407

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cctcctatct cccctttatt ttcttctctt ccttctcccc ttttctttat ctttctcccc 180  
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ccttctctcc cccccccccc tattttcttt catattcccc tcttctcttc ttcccccttc 300  
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tattctctct cttatacact cttttcttct tccctctcct cttttccact tcatattcct 600  
cttttcttca tcccttttta ttctcttctt ttcttctct ctttccccct ctttatcttt 660

tctctctac cccaattctc tcttctcctt ctctaaccct tcateccctt tttctttccc 720  
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 atctatcttc ttttctctc ttttttcac ttttctttc ttttcttctt ctcttttctt 960  
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<210> 6408  
 <211> 699  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 accggcatgg agctagctgt acgtccactt tcccactgag aaccaactcc caacatctgt 180  
 tgctaacaac cccaggacgc cgcttacagc ctggatggtg ggcgagatgc gcagtaccat 240  
 ttcggtttat ctggagagga acccgcgccg cagctcatag tggctactgg actgcctcaa 300  
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 atggactact ggaactcaac gtcagaggtc accggcactg ggaggccagt cgatgccgtc 420  
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 aagagcgttg atgcaatgtc tctcgagaat tccttgagaa ctggatgcag aatcgacaga 600  
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<210> 6409  
 <211> 737  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6409  
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 aacagaatca aagactagag ccagcagctt ggagggcctt tatactaggg ctactcctcg 180  
 gtcctccgcc tctgtcctgg taccgatgca gtctgtaacg agagaccctt gccaaaggca 240  
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 cctcttggcg ctgcttgtc gggccagtcc gaccagtga cggccctagc agggctttca 360  
 gggaccattt aatctatacc agattcttgg cgtttcaggg ttcgcggtaa ccgggtgctt 420  
 gatattaacc ggcggcaacc ccaatatcgg gcttaatcct ggcgagatga gttcataaga 480  
 catttcattt gtcaagaaaa ggggtctaag aacctgatga ccaaagctg gagaatgcac 540  
 agggctcaat ctcgagtggt cttacgtagc gcaaggacac tccttgacct gggatgctag 600  
 gcggcagggt atctacccta cttacataga tttagatgg actgaccagt gtacattatt 660  
 gacctgcac cccttaatct ttctaaatat ttttttgat cgcttgcgga ggcggacttt 720  
 cagattgaca acggtag 737

<210> 6410  
 <211> 549  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6410  
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 tttatgggct caattgtgag gcgcacatcc ggcccgtgg tagctgtatc ccatttccaa 180  
 gagtattcaa gggggatgcc aacatctgag acgagagacc tccacttaaa gttgccatct 240  
 gcgtcgggtt tggggccgag ataggggacc tgcgcggtta gagagtgctt ggtgccagcc 300  
 agggaacgac ttgggactca cgaccagtgt gtagtggaag aggagagtct caaactgctt 360  
 ctcgatggaa tagtcggccg cctccagcat cagagccagc tgcgggctgg tgagctttca 420  
 ccagtgtgta tgactgcgat ctagagacgg tttcaacttg gacacgatat ccaggacctt 480  
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 acttttcag 549

<210> 6411  
 <211> 504  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6411

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 acgtgctaag cacacaacga gcccttgata tggaccaaga tcaacatcat tacacaccct 180  
 ctcatataaaa cgagcgggata ccccaactgc tacatcgac gatctgctgt tctaactgac 240  
 actaatcttt cggtggcgcc tgggcttaag cctacaactt ctctctcttc ggaactcata 300  
 tccggctctg atacaagaat gctgtgtgat gtaatcgact atccagacac aatcatgtaa 360  
 taactgcaca ctgtgattct taaggtagca tacacgggtt gacactaccc cgctgtccct 420  
 agctgactca catatttcta gttgattatt gtaggacaca gtgggaagca aaacaagaca 480  
 agtaactaga aagcacggac cttc 504

<210> 6412  
 <211> 798  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6412

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 agaaccggcc tttttatcat agcactatcg tcctatactt gaaattagta cgtcatgtga 180  
 ggacttgggtg atttctcaca cgccccggcc aacttcaagc ggccgcactc catactcaac 240  
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 tagccgcagg atactctctt ggctgccctc cggggtgggtg ctaatgttgt ttgtgataaa 360  
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 tggccgctga ttgttactgc ccttatcctt gtagtggtac cgttcctgag aactccagga 480  
 ccgcctgccg agaatcaact cgtacaagg accgagtgtg ggaatgcaag aggcaatgac 540  
 tatgatgttg gactcaatac tgggaaacaa agttagtctg agctcgctgt gggaaatgcc 600  
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gagaaagact catgatttga gggcaagctt tacttccatg ttgagtcccg ccgattgtat 720  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6413

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attgcaaggg ctactgatta tttaatctga caccctgagc aaagctagta agtagcttat 360  
ggatgaatat ttctgtggta gagcaaacca tatcagcaca gaagtcttta gaagcatgtc 420  
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<210> 6414  
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<213> Aspergillus nidulans

<400> 6414

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tcaacaacca gcacagtaag aaacagtgga tccgccctcg aaaatgacgc ctttcagcat 180  
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acaagccccg tggcagaaaa gggcaatccg ttgcatacag cctatttaag gttgacggta 480



ttcaggcatt tcagctgaga ccaacaattt atacgaactc ttcttgcac tcattcttgac 540  
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 ctttgtctgc tccaggggtcc tgcgcagtgg ggcttccgta acgttcagct ggcgttgact 660  
 gcccgttcgt gacccaaggc ggtgtcatac taaggactca ctggggcccg tcatgggagt 720  
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<210> 6415  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6415

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 caccagtaa tggacgaggt ataagaacat ggcataaaag gcagttaaac gcaagaaaga 720  
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<210> 6416  
 <211> 493  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6416

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cgatctgcag cttctgtcgt acttcatgat ccataccggc aaaaatatgt cgttgattcc 300  
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catgcatctc ttattggcat tggccgggct ggattatatt catcctgatg gcaaccctga 420  
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<210> 6417  
<211> 501  
<212> DNA  
<213> Aspergillus nidulans

<400> 6417

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tagatcgga gagcgcgctc aacaactaac cctgatgata tgtattgagt ggttaccctg 300  
ttggacatcc acatacaatt atatcccatc cacatacaat tatatcccat ccacatacaa 360  
ttatatccct acaagggtacc atcaagaatc tggaattgac gtgggtttgg gcgactactt 420  
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<210> 6418  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6418

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 tgatgccag gaggttttta agagcggtaa cattcgcccc ttcacccgaa aggagattga 780  
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<210> 6419  
 <211> 663  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 gcatgggctc ccgttggcgg gatgaataat aggtgggtga gcgtcccgaa gacggcagtc 180  
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atcttaccga attcggaaat tccccgttca acgacgcata tctttttcca ggggttctga 300  
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 ttg 663

<210> 6420  
 <211> 645  
 <212> DNA  
 <213> Aspergillus nidulans

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 ccctaacca ccccccccc accgaaacca cccaaaacat caattccaca caccaacacc 480  
 ccacaaccac aacaccaacc acccaccacc acaccacaa aacaaccacc ccaccccccc 540  
 ccacacccaa acaccaccac cccccgcac caccacac gcaccacaa ccacacaccc 600  
 aaccacaca accccccaa ccaacacca cccacccaa ccccc 645

<210> 6421  
 <211> 480  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6421

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cacagtgaca gtggttcagg tgagctaagc ctagagcggg ctgttatata gatgggcttg 180  
gaggaccgct gttgagtaga aacggtcagc gaggggcttg tatctgctga tgaggcgctt 240  
gcttctttgc atgcctacgt aagcatacac agatgatata ttggtgctaa cactgaatgc 300  
cgccacttac acatggggct aaaggacgca gctgcaaagc actgctcact acacgagaca 360  
tctagagcac agtttattat gttgcgaca tcgcatgact atcagaccat ttactgagac 420  
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<210> 6422  
<211> 717  
<212> DNA  
<213> Aspergillus nidulans

<400> 6422  
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ctcacctccc aagccccgcc ccaatgcgcc agataatggt ggtaaaccct cccttccaag 180  
gtcacatgct ggcctaccg aacgaccata tcctgagtgg gtttcacgta gacgatggga 240  
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cgaaaagtga cgggtaattgt gcccgagagt tgcaggagca acgcagagaa tccgttctcg 360  
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ccaagtcagc gtctctgtg ggactgacgc catatcgagg gagctctgga gagaagtggg 660  
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<210> 6423  
<211> 1005  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6423

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gagggtaatg tgtttagcag cacgtggaag gaggactttt acggtccgag ggactcaagg 480  
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<211> 535  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6424

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gcttgccgt ctagacgcgc gcttcttga taggcacaac aggcgttggc taattgctac 180  
tctactagcg aacatagtgt caggtctatg gcgcgttgac cacattacct actacagcac 240  
cgacagatat ggcgagctgc actacacctg cagctacatg ctgctattgg tcaatctcgt 300

caaacgtatg gacaacgcta ttgaagctga ggcacataat acctaatacg acactaatgc 360  
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atttcacga agcgtaccaa aggcacatcc aggcgtgtccc attggcctgg gactggacgg 480  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6425

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aataaaaagg gaataggtat gggttaagtat tgacatggcc aagaatggcc acacaggaac 420  
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caacgtcgaa cgctgcgtga tcgctgagaa acgccattta tgcgcaatct ggctcctat 840  
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<210> 6426  
<211> 525  
<212> DNA  
<213> Aspergillus nidulans

<400> 6426

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tccggggtga gcagaacgga gtataccaat caataaattc tgcataatgca gccatttatc 300

tggaacagtg gggtttactc aataaggctg tataggatac ctcaatgctg gcgctgatca 360

ttttctcact agtactgaac tttgatggac aggaggctct tccatccaat ggacaacatg 420

caacacaagg cccaagtcac gattctatga tacactaccg ggacattatg atgatattgg 480

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<210> 6427

<211> 665

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 6427

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gaaccttccc gaagcatgga agaaggaaga ggatcatttg cacgctgtct tcgatgctgt 240

cgacggaögc gaagttacag atgaaaaaca gttgcttgaa cctcctgctg agcttcgaaa 300

ccccatgaat catcaggcac ctcatcgaa gcgcgaagcc aaccctctcc agcaggctga 360

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gggctgtgcy cagattgatg ctgccttacc aggaggagga ggggtgttgc ttttagtgaa 480

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aaaat 665



<210> 6428  
 <211> 511  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6428

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gctaatactg atgatgggct ttgcgcgttt cactgctcat tattcggacc tagcgtagca  180
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tctatagact cttggagcat gtatacgctt gtaaccgcat acatggtcgc acagtcggat  300
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agaggccatg acaaggcggg agccgatcat tctgccatga ctacaggagg ctaaggagaa  420
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 <211> 618  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6429

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aggtagggtt aagcagggca aggtctaaga aattccgttc gagagtcaga agaccagaa  180
gccaaagcag gagagggccg ttcgcggggc aatacgagga gaagagaaag cagaagaata  240
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catatagtac gagcaggatc tcgctgcat ctcgatcaag gcgtgccgac gacgctgaca  540
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618

<210> 6430

<211> 551

<212> DNA

<213> *Aspergillus nidulans*

<400> 6430

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aagccaagcc cggcctcggc aaaaaaaaa aacaaaggag gcacacaagc cccaagagga 180  
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cgaaagcaac ggcaagcccg aaaaccccg cccaacagc caggcaaacc cccccggaca 300  
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cgcaaaccga caagaccccc agacacacca acacgaccgg gcaccccccg ccggccaaaa 420  
aaggcgccac accagaacac ccccaaaagc caccgaaggg gaccccgcc acccagaccc 480  
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aaaccacccc c 551

<210> 6431

<211> 575

<212> DNA

<213> *Aspergillus nidulans*

<400> 6431

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acggcacgta aatcctttcc actgccagct aggtggcagt ggtacctttc gcatatggag 240  
tctgaagggc aataatcagt gaactaaagt atagcgcaag agtcactgcc agaatagcca 300  
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tgctaacggg gactgaagga gggatatacg taccaacgta acacgttgca tgtaacctcc 420  
cgtcccagcc aattcggtta attatgacag gtaacggtca tcattctctg tgtactacac 480

cggggtgaaat agtcgctagt cgagtctagt aaatcgggtc cttactattc gaggctagcg 540  
actctgtcaa cgtcagttgg gttggctagc caggc 575

<210> 6432  
<211> 1008  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6432

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ctgtaaccga gtctgtcact gaaaatgctg ctgaagccga cagggtagaa cctgaagttg 180  
tcgagccgtc gaaggacgcg tcccccgagg aagtcacga agagcctgtc gcagaagcag 240  
ctacagaaac cactgttggt gaggaaaata cgccagctac cactgaaaat gagcccgctt 300  
ccatcaagga agaggttacc gaaccggctg agccagtgat tgatgaggcg gcagttgaag 360  
agccagtggc cgagaaaccc gggcgcaatg ctctgcaat tgaggctggt gcatcaactg 420  
ttccccaaga aacgagtgag gagttcgaag ccccttcaa gccagctgct cttttggacg 480  
aagcagccat tgtcgaagct cccgcagtcg catctgagga gcagaaactc gacgaagtca 540  
gcgcatccga aatccggccc gagacatctc agcaagctcc tgaagaaaca acgccggtcc 600  
ccgagaaaga acccactgct cctgagccag ctgaatccaa ggttgaagtc aaagacgctg 660  
aggtgcaccc cgtcgagagc gtggctacca cggaagaaac aaccgccgaa accccaaca 720  
ctttggttgc tggtgcaagc caggaagacc cgacaggtcg aggagagaaa gtcttaagga 780  
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gagcaccgct ttgccaaga aaactgacaa ctcttgaaga agcgggttgg caccacccga 900  
cttaagattc accttctgca acgagaattt atttaaacgc gggttcccta ctgtcttgtt 960  
ggaattaggc ttaaaattaa tacttcaaga ctttttaaca aaatcagg 1008

<210> 6433  
<211> 607  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6433

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 gccaaatfff aatataacta aataatffff ggagtcatag taacagtttg aataaattta 180  
 gtataaaagg ttaagcagag tatgcagctt gcttgtagat tatattatta gactttgaat 240  
 tagtatacct gcctagtaag ttaactagaa tatecttatt attagtagaa caaggcttta 300  
 aactatatat atttatagat tagaagaccc ctgtagagct gtcagctaag tctactagtt 360  
 atagtaaaat actaagtata ggaaaataga aataggatgc ctgggagctt gcaagggaat 420  
 atatagctag attataagaa tatataaagc agaacataga ctaaagatat ttataagttc 480  
 tttaggtaga taattaaatt attctaagta tagataattg gaacttagct gcccaaagca 540  
 gagctagctg atagatacta gcctattagg gatataaaaa aatagtactt tacaagctga 600  
 tctgtgc 607

<210> 6434  
 <211> 537  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6434

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 tgtcaatcac gctgactgag gatggtgagt gggcgaaagc tataactgga ttcggacgca 180  
 gacaggatat gatcgagaca tgcatagaac acggaacata cttaccctg ggcttatgcc 240  
 tcatatacag gacagtgcag accctatggc agaagactcc atttcagatt gcgggatcgc 300  
 gcatttgagc gaacgatgga cacatcccag tcaacaaccg acgtatctta cgcacaaact 360  
 ggtcactgaa caggcattgt cggactatca tgcacaactc ccagaccgag gctatagctg 420  
 ataccgatca tcgtcagcga caaggcacta ccgtcgccat tcgagagcac tactcgatcc 480  
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<210> 6435  
 <211> 609  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6435

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 tgtacggctg ttgctgatcg gcagctgcgg aggtgggctc gcgcgcaggc gggcgcagga 120  
 tcgcgacggg aatgacgata ttcgggccgt catgaacgtg aatgtctgtg gaaaggccag 180  
 agagcagcct cagatcggac atgccctcgc tctgcgacga aaatgtaaac ccgcgacgga 240  
 gcggtgcagg cgacggcggg ccctgccaaag accgcgggct ggtgctgcga cgcgataacg 300  
 cagcgggctc ttcgccgtgc aggtcgatgt cgagaaacgc aaaaatgggc gtacaattat 360  
 ttgagtggct ttcgcttagc tccgcaagtt tcgtgacgag cgacgcgccg gcttgacaga 420  
 gatacactat cgcgaaggag acattagcac aaaacatgca gttcgnctt atgcnaaaga 480  
 catactttcc cagcgacgcc caatggactt cgacatncga cccgagtgc tcggtttcgt 540  
 ggggatataa ggattcggcg gagagccttg atacacccaa tgtttgactg gatacagatc 600  
 atatagatg 609

<210> 6436  
 <211> 1074  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6436

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 ccctgagctg ggtggtggtt attgcaacgt tcattatctt atcgcatcta tgacgtcttt 120  
 tctacgaagg cccaggggtt caggtcgaac cttgaaaatg tactgtactc cataggtggt 180  
 ggttgatatt aactttgtga ctgactccag acaataaatc taaatctctt cattcattat 240  
 actttgcgtt tgcgacaagc ctttcataac gcataaccac catgtctgaa aaagcctcac 300  
 aataccgact gaaagtaacc gcaggaccct cctacgacc agcaacacac caagagggtc 360  
 cagtgaacga agacaaaact ctgcatactt gcaacgagca cgctgccact aatctgaccg 420  
 tacggatcca gaattatacc ggaacgttac tagacttgca gaattaatct gtgcactgca 480  
 ttctggtagg accaacttgg tggactcaca ggcttcccca acggcgcacc gggatcgaac 540  
 cttacttcg agcaccctga tccttcaaag accagactcg agctctttgg atagctttaa 600

gaagccataa tgggacatct cgtttttgaa acgacttcac cggcccccg tagatcccc 660  
 tgctaaacgg gcgctctgtt gccatgcaat gtcccacctg agggagcacc cgcaaccgac 720  
 tcttggcggg tggcaactga aacttgggtg aaaaaggaat tccttctcag gatttaaagg 780  
 ggggggtctg ggttcccaa gcctctaact tgaacccttc taacagtagg cgggggtggt 840  
 ttctaagggg tgatctcctt ccatectctc tttcctctct ctagttttgt tgtgttgctg 900  
 gggagcactc ctttaacttg tcatccatcc ttaatattaa ttcattatcc accaccatct 960  
 ccctctagag gtggtttcta attggatatt tcttcacca ctactcactt ccctatacac 1020  
 caatctcaaa tgctnattat aactttatcc tttacccatc tcattctcct gtac 1074

<210> 6437  
 <211> 480  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6437

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 tcattcaaaa tggacttaat acctgctctg gaacggacat tacagggtca ggtcaagcca 180  
 tgtacgttct gcgttgcttg cctccacata cgattgcgtg aactgacatc tccggcagta 240  
 ttaacaaaat gttcactcgc atcgataatg gctggccagc caacgaatcc acgaacgaac 300  
 aatcccatcc gtcccgactt ccttccccca ccaacaaccc tccctctccg tcaactgttcg 360  
 cacaacgaag actccacacc catcgacgaa acaagctgtc tgctctccct cctctcgcct 420  
 ctctccggcg tcaagcggaa caaagaacac tatatcctcg cgacggccga cccgccagcc 480

<210> 6438  
 <211> 568  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6438

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 caaaacaacg aagagcgcg ccaaaaggca caccaggagg agaaccagc gcccgccagg 120  
 aaacaacaaa ccggaaaacg aaaacgacaa aaggaacaag gcacaccgca caaaggaccg 180

aacagcccaa caaggcgacc gcgcggcaca agaaccacca ccaggcccag ccgcacccac 240  
 agacgcaaaa ccaacccaaa ccacccagcc cgaaccgaaa ccaccgcaac caacagaaac 300  
 aanaccgga cgaacggccc cacacacacc gcaagncaaa gaaaaaggac cccccaaga 360  
 aggccccga aaaaaggaa cgcagaagaa aggacgcaa acgaaccca aagcccaaa 420  
 acgaaaaaca caaaaccggg caagcccca ggaccggaac acaagacagc gccaacgggc 480  
 aaaaagacgg gaaacaccgc caaccaaaca aggagaagg ccaaagggcg ggccaaaaaa 540  
 aagaaagcca aaggaagccc cagggacc 568

<210> 6439  
 <211> 764  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6439  
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 cgacgatttc acgggggttg atgccgtgga ctttcttgaa ccagggtgcca tatcgcaatg 180  
 ctacggtata cgtctcgtgg aaagtccagc tgcggccatt gtagacaatg aacggccggt 240  
 ctttcgacgc cgggtcgaga gcatagttct ccaagacata gaaaagggtc agacggtccc 300  
 ggcgctgcgc gagtcgcgac ttgataatgg atttaaagag tccatggaag atcttcttat 360  
 cataaaaaag cgagtactct gcgttcaggt aggcgagcgt agtcgcaagt gccggaccag 420  
 cgagcgagag ggggatatct attgcacagt gagttagtag gtccattgaa attatgaggt 480  
 agctaacaaa ccaagtggta atggaatgga catgactata ttgtgagaaa gtcaaggaga 540  
 gtaaacgtaa tgggtgccgc tactcgaggt accgaccac ttgggagggg gacgttggac 600  
 agttaaagggt gggactcact gagtcagga gccgtggtac tgtttagaac gcgaagcgag 660  
 caatcgaaag gatgtgatga aggaaagagg cgcataatgg ccagccaaac aaagcttaaa 720  
 gagcacgagg ctgtctagga ggctggacga tgtcaaaacg agat 764

<210> 6440  
 <211> 1076  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
<400> 6440

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gttaataagg gccctggtac tcatacagac ccggagaacg ttgatgggaa agctggagca 180  
gtaatcggac cgttgctggc cttgagtcaa tcccaggcgt cactatgccg ttctatttat 240  
acaaaacttg agttaccccc tcgcaatcgc gcagatcaac ccctcaactg tcccgcagcc 300  
cgttggagaa acccaacccc acttgcagag ggggtcaaagg aacatagcca ttgctcttga 360  
atttcgaatc ggaagtcttc tcagtgtgtg cccggtccgg cccggcgggt atctcactat 420  
cccggcaagc catggtgagc accactgcct agaaaacatc catgattgac catggaagaa 480  
ataggcagtc gtcagctctt tcgcctacga gatccgaacc tggcttcgag ttgttcttga 540  
gcttaccttc ctttgggagg gacaaggtag agctggcttt atatgccc aa tgcgaggagc 600  
cataggccta caaccctagt tcccacaact gacgcttaaa acagctcatt gactgactca 660  
tttaatcgga aattccatct gagtagctat ggagagcgac gaattcatta tcaattggca 720  
catcacttta caaggagatc gctagatatg cgttcgtata tttcgaggag aatacgtaga 780  
ctgcggttat accgaantcc gagctttgca cacacaactt ccaggagaaa cttttctctc 840  
cagctaagat gtacgcagtc tctctaccta caggctcagg agaactggcg tttggaacta 900  
taggcatagg ctgctcaatg gtagtggaat ataaacgctg cgggatcact cgacagtgtc 960  
agaattattc agctgtgcaa gcctgatcgt gagagagcat gcaccagagg gctggtcaca 1020  
gcggctgacg tcgttgagtg ccgctagtct gcgactgtcc ttagacaaag cgttgc 1076

<210> 6441  
<211> 580  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6441

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cagaacgatc gtacttcaat tctgtgtggt agctagaggg ttgactctcg acgcgctcct 120  
tttcatagat atcaacggtg cctggattaa ggataaatag attagctccg gaaccaatga 180



ccaagtgtcc	tgccatctga	tgcaccagg	aacttgctgt	ccttttacat	ccacaatacc	240
gagacccata	gtgacaacca	agacagactc	agctaggctg	ggctagacga	gaggactgcg	300
aattgcccgg	tggcctaacg	acccaattat	cgaccggttt	cgtaattaag	ttcagttgat	360
tgcgggatta	agctgagaac	atataggcgg	aaaagaacat	gctgcagcag	atgctgatag	420
ttcactcctc	agtggttgtg	ttgtcggagg	gggtcaaaaa	ttggattgag	gagaggcttg	480
agggtagaaa	ccaacaagat	ggcgcagcga	aacgcaagga	cgactgtca	aactcactcc	540
tcaccgagaa	ggttctttga	agtgaatatc	gacnagaatg			580

<210> 6442  
 <211> 1109  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 6442

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cccagtaagg	ctgaatccca	gctcgaagct	agcccggcga	ggggcgctgg	ccccgggcgt	120
ttgcttcgcg	taagccgaag	agcccgtcct	atgcagacac	tatgacacta	cttaccgtga	180
atctgaacct	gtgtcttgct	tttggcacca	cggtcactct	tgtctacgct	atatccaggc	240
aatcctattc	agacaaacac	ccctcgattt	gcagtagccc	cttcaacgtc	gtcgggtttt	300
gaactagaaa	aatgcgcaaa	ttcgtcaa	ttctgggcgg	cgaaaagaat	ggaggttcct	360
accacagcat	ctgggccatg	ccagctccgg	aatcaggaac	taggggtgga	gtcacaaata	420
cgaagaaaga	gaaaacgagg	gagactcgtg	agaccctgtc	aaccaagaaa	ccccagtcga	480
ccatgcacat	ttcgaaactg	aaccagcttc	ccctggcaga	actgagcagt	tctacgacat	540
cgacagtttc	agcgcctacg	gaccgagagc	ctgttgagtg	gagcttaccg	ccgtttccaa	600
agcacaaggc	taggagttag	atggttgtag	gacaacgggg	caaactgagg	tttccattga	660
agtgagaaag	gagacacatg	gagaggctgc	ttgttcaact	ccacaaccag	gctattattg	720
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atatctcccc	tcataattct	agccaaaagg	actgctggga	taacatttct	cacccgcctt	840
gccagatacg	gaaatcccgg	atttctcacc	caggggatga	ccttatcgga	gcggaaccgg	900

gcgggttcac cctaataccc cttgaaaacg cccctcccca ccttccccgg gggggggggg 960  
gataaataat atctccccct cctacatac aaccccgccc attcctacac cataccctca 1020  
nnnnmntaca tctccttg c taaacttaac actttccctt tctaattcta tactctcccc 1080  
cttatcaact cccctttttt gtaactgac 1109

<210> 6443  
<211> 506  
<212> DNA  
<213> Aspergillus nidulans

<400> 6443

cccgtaccgg aggcatacac cggggggttt tttagaagta caagggggaa gcctccgccg 60  
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ggatggggca aaagcatcat cagcaacgac actgctactt ctctgccgac atgtgtagcg 180  
gcatctctgc ctttacgggc taaagctgtc cgttctacat cggaccgcga ctttcaagct 240  
gcttgtgatt cttatggg c tggccactgg gcttgctgcc cgacaaggcg cggatcgctt 300  
aaaaccttct atgcatgcga ggacctatgg gattgaatcc catgggaagg gggatgccg 360  
cccccccta tgccccttgg gggagaggcc gcaaaccgg ctccggtgga ttaaagggtt 420  
acttaacgga agcttggagc actggaaggg tgtgggggcc cagatgttgg taacaggtcc 480  
ctctggccca aagaggcagt ttgggc 506

<210> 6444  
<211> 463  
<212> DNA  
<213> Aspergillus nidulans

<400> 6444

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catgggccat taacggatgt tctgaaaggc tacgagcgat tgtatcgact gaactgtata 180  
tagcttcaaa tgtaagttct tgattgacaa gacaagcctg tgtgcggatt gatagctgat 240  
catacactgg caagaccatg taaaacgatt cttccgcgat caattacaac gttcaacatg 300  
gagctggcgg gttgtctagg gagagattgt tggatgtctt attttcaa atggcttcga 360

cttghtacca cactctgggtg tttgggtgctc gtatctttcc tgaggtcaaa ggcccattcg 420  
ccaactcaag tgcaactggc ttctagttaa ctgaaagggg ttt 463

<210> 6445  
<211> 528  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6445

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gaaagcgcag agcggcgga ttttgggtcgt ggccccttgc cattgggtgtt tgctggggga 120  
ctatatacac atctcacgtc tgggtgcagca ttcgatctag tctcgggcca gatgcgacat 180  
gtaaagacat ccacgccatt agtatatgcc acaggaaaca agcctttctc ctgctcctgc 240  
ccagcaatat caatgtctc agcctcctca tcgcttttca gtcggattct tccaataaca 300  
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agtccagtcg caatagcagc tacgcggggt gcaccctcgc ctttccaagg cgacaatcga 420  
gtgattctct gatacgtctc cgtagaacct tttgaccag ccaccagttt aaatactgac 480  
ttcctagaca gtttgacagt ttggcctggg gtcttccatt gggagatt 528

<210> 6446  
<211> 636  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6446

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aatttgcac tttcaggctg cagcctgcag actggaacct ggggctctgg gcctggggat 120  
ggatagacgc tcgcgtcagg gccgtgatcg acgatgaagg ctaggaacgc gagaccaca 180  
gtatgcggca tgaaaccaac gggcgcgagg gaaagaataa aacacgcgga cagaccaccg 240  
atcggcggag aaaacaagat gtgaaccgtc gcggcgagcg actagggaga ttgatatttc 300  
aatatgcaca tcattggtac tgggcagctg tggttgcaat tgcgggtaaa cgagagatc 360  
ggtcgcgga tccaatgaga ttgaaaataa tgcctttttt ttatgttact gaggctgact 420  
gtacatgtga cacagaattg tacaacctcc cactcgactc gagcacggag ttgtgaggga 480

tgcacggagt tacacccatg cagacaggcg tctgagaacg tcttaggctg ggaccgctca 540  
 ccttggcgga taaagatgat catgtatgac gattggcaga aagcacatat caagaatact 600  
 gtgattctgc gtaccggact agagcgtact gacaca 636

<210> 6447  
 <211> 619  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6447

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 atcgggattt gatgaaagct cgctgctctc tgccaatctt tggttccagt cctcgacgga 180  
 actttgatcc atacaatttg agcttctttg accttaaact actccttctg ggggtggccgt 240  
 catacgaacg atcacacaac tttagatgct tgcacagct cgctggtcgc ccaccttcca 300  
 tgcgagcttc tagacctcac ggcggctggc cggcttatgg cgccccagc cccagtatgg 360  
 aggagtcaat caccgagtac gtccttgacg aatctgcccg gtcgctttac taggttcata 420  
 tcgagcattc aacatccaat actgcacagc cgtagctgag gatcttcgtt gtcttttagcc 480  
 gacgacctgg gtaccccaaa cgcacgttgt cgatcactcc aaactctata agcgcagctc 540  
 gaatttgaaa cgaccagtc cacacaacga aaatgctttg gtttcagtca taatgggaag 600  
 accggtttct atccctgag 619

<210> 6448  
 <211> 860  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6448

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 ccacaagcag cgctggtgag cgctttcaag cttgagccaa gtcacgaag agaagaaaga 180  
 actatagggc taatagatat tgaaagtggg cgacaggctt tctggctcag cacaaggcca 240  
 tggaagtatg taatctgtag caaattctta tgttgctcct ggctcttgag tgagggcgag 300

tcccaacacg aatcaacaag gcagagcttg cccattcagg cgacaaggca ctaatacaga 360  
agcggagtgt aaggcacttt gccgattatt accgcgtaca ggaagggctt gaagacttca 420  
ccggttctaa ttggaggata atgattcggg acaagtggat tcaaggcaat ggtaataatg 480  
cctcaaggcc tttcggcttt cttgagtcct ccgtccttat gagtgaacca ctatccattc 540  
attattttcc tctgtctata tcaacctctc tatcgattcc cgtcgggttac cgactcctaa 600  
tttgtcgcag ctgagaactg agtctgttct taagaacttt tctactaca aacaatggct 660  
tttcaaattg ccgcttccaa tgggtttggc tttgacctct taccctttct caaccctttc 720  
cgacagaatc cctgtaactg gccactttcg ggtccattaa aggccccctg atcaacgatt 780  
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aaaaaaaccc ttcgtctcct 860

<210> 6449  
<211> 815  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6449

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gtaagtctgc ttgtcaagtc gattctttct ctattctata gacttccctt ctccttcttt 180  
gccttctttg cgccctttgc gccctttgca attgcggcgc tgcgagtttg cgcttttggt 240  
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tactagtgtt cccattccca ttctgtcgc gttatcatcg tatctgtgca gggacgctcc 360  
attcctggac cctcccccaa cccatttcc ccacaccgc tcgttagctc ataaccactt 420  
actgacaaga cccgcaatca ggtacgaaag caccgaaga gaaggggaaa ggtgaagcca 480  
aaggaaccga ggaagaagaa gacctttccg aggaggagcc tgaggaggag gaggagcccg 540  
aagagcaggg tcccaaccaa tttttacca atggctcaaa tccatccaat acaagaacct 600  
ggggtaacca aaaaaaacca gggccccccc cttttaaaaa aaaaaaaaag gtttttcccc 660  
caagcccttt tcggggccaa aacccttaaa gaaaaaaacc catccaacgg aaaggggggg 720  
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aaaaggggta gaaactaaaa cccccccct cccga

815

<210> 6450  
<211> 738  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6450

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ccgagttccat atgattggaa gaaaatgtat caacacggca aaatcggcag gctgcaggcg 180  
tggagttcct atataggcag cacccttgcc tgggccaaga aactacttat ataagtccaa 240  
tgaaggccca ggacttgaca cgaacaactg attgattgat ttacctgtcc atgtctagct 300  
gctcccggga acctgctgtt cttcctcgaa gccatcatgt gtggaatctc agcagttctc 360  
agtctcagtg aaggtagtat ctgccctcaa gctctagcta gtcagatgaa tgaaagcctg 420  
cagctgatta agcaccgtgg tcctgatgca agaggccagt ggctcagctc agattatcgt 480  
gtgggttgag tggcctcttc gagaaatata aacatatggt ctaattgtac cgtcatttag 540  
gccttggaca tgcccgatat cagtaatttg atctcaacct nggcggtaac cagccttcca 600  
cgatcctgaa gcaccgttaa tgcgtcgtaa acggagaata tacgacccaa ngagtactgc 660  
gcgaagctcg ccataatatg agttcagagc atagtgattg cagaatgtac tgcttatatc 720  
gacatacgga tctctttt 738

<210> 6451  
<211> 795  
<212> DNA  
<213> Aspergillus nidulans

<400> 6451

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gggtgaaatc gaccggaata tctgggatgc gctcgtcaag gatgggaaag agggcgagat 180  
cccaggaaac cattcggcgc ggtttgcgcc tgttatccag ccaacactca aggtcggggc 240  
agaggcgttg gccgtaggtg ctttgacatt cttgtgccgg gaggattgat tgttagggca 300

aggggcagca ggtc gatgcg agtgctatat ttagagtatc tactgagaaa aatcaccgaa 360  
 tgctcgtcaa aattagcttt atctctgcag gactgttcct ctcgagtata acgaatttta 420  
 acgccatggt gggcatggaa gctgatgcat gtgctgtgta catctggcat atataaactg 480  
 taccggccac tccgtgtggt caaaaggagc actaggttca acttacaatc ccaatatacc 540  
 aatttattta actgatatca atgtcagctc aaaaagaact aattatgcac caacctgaga 600  
 gaggtgaaat gcgcctggac gatcgtgcc aagccacgct cctagcccga cctacgtaat 660  
 catcccatgt cctcaaaacc agactcta at cccggccgtt cattttttcg cttccacttt 720  
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 ctaaaatgcg cggt 795

<210> 6452  
 <211> 634  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aagatatata aaaaggtaga tagaagaact agagaggtaa tagagaggaa acgaaatatt 180  
 acagaacagc atcatataac tagaaaaagg taaaagaaag taaaagcgaa aaagtggaga 240  
 attcaaacca gtacaatagg tttgcttcca accaaatttc aagaatcgaa tgcataaata 300  
 catactagga caactcattg ttctatattg gaaatatagc cactcaataa aattcagtct 360  
 cgctttccgc atgcatctgc ccgatggcac atacctataa cctcgaaacc ctcgttcagg 420  
 ctaaagcaca ctcagctgct cccaccaggc cagtgtttc cgatacccat ctcttgatct 480  
 ctccaatctc tgccgtgttg aaacatcgaa tttatcctc cgggccactc gggttgagttc 540  
 atcatcatta agccgcgaga acgtctcaaa agagacagct cgtagtgggc atttcggccc 600  
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<210> 6453  
 <211> 588  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6453

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agcagaatga acctcaacta gctgctgcac caacagctac tcccagagag cccagttcct 180  
ttccacctca atctgccccg gcaagcacia ccaaactat ggagcggaaa gaggtcatcg 240  
cgagaatgct ggctgccaaa gccgctaaaa gtcctccggc ctctgcgcca ccaacagatg 300  
ccgcacaaac agcagcgtct gttcaaagca cgcctgcgac agtagagaaa cctacgttat 360  
ccacctcttc gcaagatcaa tcagcaaacg agaaagagac acgtttgaga gaaaagaaca 420  
aggcgcagac tgaactcgcg aggcaacgta tcgaacagct gaagaagcag gggctcatca 480  
gaaatcttca aaaatcacia ataatgtag acaagggaca gaaagatgtc aggaagtcgc 540  
gaggccgaac cttcactata aacaccctta actaacgcct tcactcct 588

<210> 6454

<211> 579

<212> DNA

<213> *Aspergillus nidulans*

<400> 6454

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gccgtttttg ttattccaga caattccagg ggacggctctg agattcggtg cccatcgag 120  
gaaccgactc tgggctgcgg tcaggcagtg gtgatatggc cgtcgggttac agacgtgggt 180  
cctgaccgga tagatcatag attaccggtc tcacaatgcg taaattcaaa aggaaatcat 240  
atatccatat ggtatacgca gtcgctaaaa atcatccatc acaatcataa tacatcaaag 300  
aggagagaag ggagaaaaga aatgattaaa gccgtcaagg catatgatca agaagaaatc 360  
cgccaacgcc gaaccgagcc tgatagagta tgaaagagcc taaaaagcct gaggagcccg 420  
aagagcctga tattcgatat ctggactccg aaccgtaggg acagtaagga tcgatcaagt 480  
gagaatgcca gtttctcgct aataccgtga cgagtcatcc gcagtcactg ttccagtcag 540  
cccactcatt cactcattgt ttattgacc gaggcaaag 579

<210> 6455

<211> 602



<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6455

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actccacatc tatggacgca taagtctatt ccttcctttc cctctttctt tggttttctt 180
gaaaaattct ttgccgtgta cgaaactgac ttagaatgtc cgtcgttatc catattgctg 240
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tgccccgtct acatccctgg acaccaagca tatagtaata ttatcgtgta caatacaact 360
caataatagt ttaccgtatg gtagttttta cattgcaggt gagcaaactc gccaagcatg 420
ccgttttgcg aagtctggcc agacgggatg gaataaactc tggccacata tccctctaga 480
gaacgtgaaa gtagagaaat attatccnaa aattttgggt tgtatagctc taagtcattg 540
attaattgcc gaggtcaaca atgtcgtaa cactttcgga atagcattaa tgccccaaaa 600
tc 602
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<210> 6456  
<211> 589  
<212> DNA  
<213> Aspergillus nidulans

<400> 6456

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tacaaaacaa ttctggctct actaggtgaa gatgctgacc taaaccagtc ctgggtcacc 180
tggtactgtac ttggagcagc aatgtccatt ggaacgttct gtgacggaag ggttccatat 240
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tgtgacagag cagttgaatg ttaaatttaa gttgataaaa taaaaatgaa atggcaatat 360
atatgactag tggctactct attggacaac acagaactat atgattcaag ggaagatgat 420
ttttggggtc atttacttaa atattacaag gcttgcgcta tttggagaga aatctcttgt 480
gtaggatact gatcagcatt tatcactgat tggaagatgt acagatacta cagctgaaag 540
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 <212> DNA  
 <213> Aspergillus nidulans

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 caaccgaacc ccgaggaaga cgaccgaccc cgataccac aaagggggcag gcagacgggg 180  
 gccaaaccaa gaaaaccac aggaccaccc acacggacac agggggcccga agacgcataa 240  
 acaacggggca aagggaccca tgacaacacc aactatctcg ccccccaaaa gagcaacaca 300  
 actccaagct gaaacgcac ggccgatgaa acaaaggcg cacacaaaag aaccaacagc 360  
 acaccacagc acagaccgga acaaccgacg accggcgaaa acaacaactg aaaaaccgac 420  
 aaggcaccaa ccaccccgcc ggc 443

<210> 6458  
 <211> 496  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 aacaaaatag agcccataac tgactcctcc catgacagta gccattatga accagtcacg 180  
 ccagtcccgt ttcggagggtg tatccatcca gaattagctc actcattgca tcgcaattta 240  
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 atccatatcc ttgtggcgat gacagagggtg gacggtagac tacttggtgt ggtgcggatt 360  
 gatattccga tgctgctgac gatgctgctg cggccggtga tgggtactcg ccagcgcgcg 420  
 cgagagctac atcaatttcc tatttagtga ggttctttga ctgttgaaaa gaaatcctct 480  
 tcttaatcgg agctgt 496

<210> 6459  
 <211> 1117  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6459

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gtagtcacgc ccgtacggcg tcggagtggtc agcccgagtt ctgctcgacc ttgtggccgt 180
cggggccaga actcccgatg aggtcaggac gctgcttgcg tcgctgccgg ccatgccgac 240
cgtcttccaa cccttgggac agtagagacc gggcgagtag tagacgccat agtcaaccca 300
gatgatgtcg tcgtccggga cagcgggtgtt ggatgttggc tctggtgtca tgggtggggat 360
gcagtccaaa aagtcgacgg tagacgtgca ttggacaccg tacgcggcgt aaacattgac 420
cccagtgata aaattattca cgttgctgat cgagacctcg ctctcggtcg agcacgcttt 480
ctctgctgtt aaggtggcca agatagggcc caatttgatt acttatatcc ctccctgcaa 540
gtctgtgtta tatatacatc ctattttgat catattagtc tcccttttat ctttcattta 600
tcccctatac tcatgtgacg tttctccctt tccataacc ctttacaagc cttcgctttt 660
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tcttaacgat gcatctatat tttcgtgtcc tcatccaata acatatacct catctcttaa 780
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tctcacatta taattcttcc ttctctcctc ctttctatta ttccttcttg cccatcccca 1020
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<210> 6460  
 <211> 598  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6460

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ccaggacgtc gacgcggacg gcatggctgc caacgtgttt gtaggtagct tgaatcaa 240  
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tgctatcggt taccgcca agagtcta tgcactca acttctttt cctttgcgtt 420  
tcttactgg cgacactgat gcgcaaatca agagtattcg tatacagtag agactggttt 480  
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<211> 978  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 6461

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atagcctcta acattggatc aataagcgt gtagccccag caccaagtaa acaacgcaca 180  
aggttatttg atgcagtagc agcagatgca ttgctgggat agaaatctac cagcagagtt 240  
gagaccgtgt tgaatgctcc tgtcaacgtg agacccatga gaaagaggat ggttggtggc 300  
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agcatagtcc catatagagt tcgtctaagc cgtacagtta atggttatag agggatcgcg 600  
ctgtgacatc taaaaccgca aaagaggatg ggttggcata agatgatcgc atattttttt 660  
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ggtcttttg gttgaaaaag gaggaggat ttcctttggg ggggatgacc tccccttg 780  
gcagcgtttg gattgaacaa tgacaaaagg ccgcaaatgg ggcaaacag cgccctcatt 840

ttttaaacec taccgccttt ttgggggttg gtaggattct cctcccttat tatctccctc 900  
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 <211> 576  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6462

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 caagggaggg gaaaaaagag acaaaaaaaaa cgcacaggca aaggtcgaaa aaaagcacc 180  
 cagccgacac ccgggggagc aggaaacccc caaagggggg agcaagagca ccaaccaaga 240  
 gcagaacgag aaggaacacg gccgaaacag ccccaaagac caggcaagac ggacgacgaa 300  
 nncaaaaaca cgcacgagaa gcaaaagccc cggcgacaga acaagggcac aacacacgaa 360  
 cgaccggga aggaagaacc caaccgaaaa ggcaacaaca aggaccagga ccgacaacgc 420  
 ggcagcagcg gagcaaacag gaaggaacac cggaaaccga aaccacaacc gaaagaagaa 480  
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 aaaagagaac accnacccca gaagcaagcg aaaaca 576

<210> 6463  
 <211> 500  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6463

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 gccaggaggt gcatacggga atggtgtgct atcgaagcct ccagcaggct cggacgagtc 180  
 gctcttgag ccgacggcca tagcgacagc ctggttctgc aacttctctg ccttgtcaac 240  
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cattcgagag agcggtcctc tgtttcctgt ttgcaaggaa tggggcgagg agggggaaga 360  
cccttttggg aggggaagagc ctaaaataaa agcggggcccc acgccccct caaaatttgt 420  
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<211> 556  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6464

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ctcggctccc ctcaagggtgc caagtagcac tctacctag tatatcattc catccatact 240  
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tcaatccaaa ataatccct ccaaacgaaa aacatcagag aaaatgtcct tccccttaac 360  
ctaccccacc acccgctctc taacggggcg cgaccttctt gccagctctc tcaagcagct 420  
cggcgtgacc gttgcttttg gcttacatgg cggacaccta gacgccttcc tcatgggctg 480  
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cgagggtac gcaaag 556

<210> 6465  
<211> 513  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6465

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ttggtttata taatttctat tctacaaatt tatgtacact attttaaatt actcttgctc 180  
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tatagtatag ctgcagaggc ctctcccgagg cagcatgggc cagagcggat tccgtttctc 360  
accagcaggc cgcttgcgag ggcccttcgg tcgtttttcc tcctgatatg agctctccaa 420  
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<210> 6466  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6466

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gacgagcagg gctcgcaatg agtgggcagc atgccagcaa tccccaacaa gagggctacc 180  
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ccttacagac agctgtggcc atgagaaccg catctacct acgcccactg atcatttata 720  
ccatttaccg gcttcgctca ttctcagct ccatagcaac catagcctga ggtcttaggc 780  
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<210> 6467  
<211> 957  
<212> DNA  
<213> Aspergillus nidulans

<400> 6467

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 aggtgtatcc gcaatccctg cagtcatagc ctttggcgga taaaccccaa atacgttcac 240  
 cgcaaaggtc gcagttcgtg ggtatcttga acgtttgtga cttgaaatta tggtttttgg 300  
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 ctacttcgta cctgttgtct cggccttggt gaatgctctg ccgtacacgt ttggcggcct 480  
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 catcctgggt tttgctgaac ccacctagtc tgttctgaa tttgggaacc tttggcccta 660  
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 cttctttttc ttctttttct cttctttttc gtttttattt ctctatctgt aattgttttt 900  
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<210> 6468  
 <211> 734  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6468

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 ttcttcagga ccggcgtaaa tttgacttat tcgctgatcg gacaatatta ttccacgtgc 300  
 aagtgtccg tacactgtag accgcgatat ccatggcacg atagatatgg accatgagag 360  
 agggttgttc agattgcgga ggatcctgag agctcaacta tctgtggttg atgatctcgt 420  
 tggctacca aagccatcaa gattgcggag tatttttgat gacagaacaa tgcgactcag 480



ctgatgccag ttgatacaac catccatcta ggcgcgagag ggaagcggcc gtgagtcgtc 540  
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 ggcccattat cgagttatga tgtagggcat gaaatcactc gtctgggata aggcgagtct 660  
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<210> 6469  
 <211> 535  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6469

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 ggttgactct gagagactgc tttgacctcc tggaccaagt cgtgcctagc cagaagggga 180  
 gtgttcaatg ggctttgtga ggctactaag gccgcacgat acaccggaga tgcaaagaag 240  
 tccgatacgg tcgtccatat ctgcagcacc tttattactg gcgcttttgc agttatatgg 300  
 aggcgtttta tgattgcgtg ttcgtgaatc cgatgaataa tatctcatta gtcgactaaa 360  
 cggggatgag gatggatgac tgctgggtatc ttgggtctcaa tactgtaata agcgtctcgg 420  
 caacaccgta cggttgacaa tccctgggcag atggcagcac ctgtagaata aaaaaagac 480  
 gcagctggac tcattgagac agttgaattc cttaaccaca attncagnct aataa 535

<210> 6470  
 <211> 189  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6470

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 acccatcaat aatgtctgcc tatttggctt tctttattac tatgacatca gtgagtatat 180  
 tttttatcc 189

<210> 6471  
 <211> 602  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6471

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cagaaaaaga gacaaaggaa ccaagacgag ccgaggggccg agcaccacaa tgcccaaccc   180
gccaccaggc aagaacacga acgacgcggc cagaaccagg acagaaaggc cccaacaaaa   240
gaggcccaaa gggaaacacc caccaccgca agagccaggg gagaaggaga aaaccgacgc   300
caaagccgcc agccgaccaa ggccaagaa ggccaaaccc gcggccgcag acacgacaag   360
aacaccgcga aggaaccacg cacaacaaag ccaacggaga agaacaccga caaaaccaag   420
gcaggaacgg caacagacaa accgcaagga cacaacaaa aaggaagaac ccaaaacccc   480
aaaaggaaag caacgactca caaacacca gaacaaaaac acccaccaag aaccaccacg   540
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<210> 6472  
 <211> 932  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6472

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ggcggagcag ctgcagcctc ggggtcggac tcggtttctt cttccactgg atcaacgtcg   180
taatagattt ctttcgcata cttgttgtaa caaagtattt gacgctgcac agatgtggcc   240
gcatcatatg cttcatattt ggaggcaagg gttcttcgtg ccattccacc caaagtgtct   300
gctggaccga tttccacaat gcgttctgtc cgcttttccg caagaatgac atcttgtgtc   360
tcaatccacc ttactggaga cgcaaactgg taagccagaa gctctaccag caaggtgtga   420
gccagctctt gttcaatttc aggccgcatg tcgctattga ctccgaactc tgctctgggt   480
  
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aagatggcag cattaagtcg attcagcacc ctgtacgctt gtcgtcggcg caagcagatt 600  
tacattggcc aaaaaaatta gacgggaatt gttacagtcc actggaagac tcctaggctc 660  
aacatgaata gcaatggaga ggaccgaagt acccaggaaa gatgagatta gaacccccaa 720  
aatacaggat ttatgtgttg tgaaaaccga aaagaatggt agatgaaatg ggagagttag 780  
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<210> 6473  
<211> 616  
<212> DNA  
<213> Aspergillus nidulans

<400> 6473

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attccaaatg ctgtgctttg gcttctccgc tttcctgata ttggcgaaca aaacctcagg 180  
gagacggctg tggcatgggc aggtgaggag acggcgtctc ggattatctt caccgatgtt 240  
gcacctaaga atacgcacat tgcgcgggcg aagattctgg acttgttcct tgacacaccg 300  
gagtgcaatg ctcatcagac agcaactgac gtcttatgga gcggcactcc actgttaacc 360  
ctcccacgct acaagtacaa gatgtgttct cgaatggcaa gcagtatcct cagcagcgcc 420  
ctaccgaaga ctgagtccgg gcaacaggcc cgcgaggaaac tgatcgccct ctctgatgaa 480  
gattacgaga agaaagcgat tcacctgtgc tgcagtttat tctacgagcc cggaggcgaa 540  
agtcgagcga gaggcaagat tgtttgagct tcgcagaatg ctatttgagg gcgacagaga 600  
agctcccttt ttgaca 616

<210> 6474  
<211> 935  
<212> DNA  
<213> Aspergillus nidulans

<400> 6474

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 tgagtcgaaa gcttccggag aaccttccca tgaaccaact cccagagttg atccagagtg 180  
 acgctccgga gccaaagacca gaccttcctt gtcacagcac acctaccgaa tccaaaagac 240  
 ctctcaatc gtttaccgcc aagccagaag tccatcaaca aaccatcccc ccctgcacca 300  
 tcacgtcccg ctaaatecta tgatccacaa agccggagcc gatcatccag ccaaaataat 360  
 acttcaagct catcatcttc gccgctgata agtcagatgt caagaccgcg tataacagca 420  
 gaacgacctg tcacaaaact gtcagctaaa ccaaattggag tggcgaggac acccgagtcg 480  
 acaaactctt tgaagcgcaa ggctgactta gagcggccct caatccacag tgctagccgc 540  
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 caaaagttaa aacaatttta tgccaagtat cgtgcactgc acgacgcaat ggcagcccac 720  
 cctgacccgc cgcgggcaga actagagaag ctacagaaac agcatgttcg cctccaacgg 780  
 atgaagaagg aaatttggga tgaagatagg cgacttcgag acggacttta aatgatttcg 840  
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<210> 6475  
 <211> 490  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 ccggaaacga ccgtggccag aatgaagtca ccgtactgct cctcttggtc ttccccgagg 180  
 cgtgagagct ttgttggtta tgtaacggtc ccaaacaatc atggcacatc cctgacgttg 240  
 ccagcgtaga ccagcctata gtcgtgtgtt gagtcttact agcaaagacc gcgaggtttg 300  
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tccatttgct 490

<210> 6476  
<211> 522  
<212> DNA  
<213> Aspergillus nidulans

<400> 6476

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acgtcacaga cagtgggatg gtgtagagtc aaatagattg gatatcaccg caaacggtga 180  
ctcctggaaa aaaatcaggt caatggggaa ggagtgattg aaaagaagga gaagacaaaa 240  
ccgccggcgt ctaatgatat ttttttatgg ctggctgttt tttctctca ctgctcgtcg 300  
actccaactt cagtgtagtc cgcagggact ttttgagtat ttctccgcca tcgggatttg 360  
atcagcgaat cactgattgg tgtgagatca cgacatcgat gcaaacacct ttacgtcttc 420  
aagacaaaca tacctgattg ggcaaagtgc ggggttcccg tgactcggcc ctgagcacgc 480  
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<210> 6477  
<211> 824  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6477

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ccgcagtgac caggctataa acatgagcgc ggacttcggg gtcgatcact tcaacagtct 180  
gagcgggcac tgcttctctc atcacggccc gtgagtgtgc atatactctc ttcagtcgtt 240  
catcatttat tatcgcaacc gccctgaatg atgaaacctc gtgttagcgt gagccaatca 300  
tcacgcgtta ggtcacgcgt cacgcgtttg cttgtggagt gtccggtatg cggaacgcgc 360  
ataaactgaa aagccgcgta gccgaggata gccgatgacg ttagatcaca tgggcagcta 420  
tgtctattgc acggagtaga atcgggggct cgagaggttc tctttcttcc ttcagatatt 480

gntcgnrngg nataattctc tcaattctgt ggttgctca gaatgttgtc gccggcactt 540  
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 gttcatgctg ccgaggtcaa atcggtggga gtaataggag ctggacagat ggttggtgct 660  
 acgatatgac ttcttttgcc ttgcttaca ctttattcag ggactcggaa ttgctcttgt 720  
 cgctggtcag aaagcccaag tccctgtgac acttggtgat tactctcatg cataactaga 780  
 taagggtctg aagtttgccg gtgcgtaaga acgtccttta tatc 824

<210> 6478  
 <211> 945  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6478

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 tccagagaat ctatagggcg aacagattgc aatggctatc atacgtcaga ccagcggatt 180  
 tccaggcgaa gaccatcttg actatgtgag gaagttggag gtttcaatgt gcaagggaac 240  
 aatcgggatg tgatgctttg ctgagcgtcg agttcggagg atcgggatct tagtcatttg 300  
 aggcacgtga ccaagcaacg tctaccaatc aatactctag gatatacttc gaccttgcta 360  
 caagagaaat tcaagtaatg acatcgctcg gaaacctatt ttccagtatt gattgtttga 420  
 atcatgatta gcgtctataa tctagtatgg taagatacag actatttggg agcaaaggta 480  
 gcgcttacca taccatatta acctgaatgg atatgtactt ggaaagccat ataactgtgg 540  
 atatgaactc agctttctcg ttaagtttct aatagcctac tgctctatta cctgtattcc 600  
 agttgttaca gtgttaggag cttaccatac ggttgcgagt ccgctggaga tgttggcata 660  
 ctcttccaag gtagattcct ctctatcat tctcttcaat tctcattcaa gacttgtgct 720  
 ccgatctgct gaatgcaatc ctctccgtct cctctcaatc tcatcattca tcatcttaat 780  
 ttaatccatt ggttctagcg cctccataaa taccgtatcg agttaaacag cgtaatatat 840  
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<210> 6479  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6479

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ccatccgcag ccgcgagcca tccgtctctc ctcttaactc gaactgtact ctgacggatg  180
agatatatag aaaaaggcca atactctatc cggaacggca tttgcgcgta agaaggaaga  240
agacgctgca aagatgcgag cgaagcaggc agcaggtaag ttaaagttct gatgttttgc  300
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tgcagtgtct ctctgttctt attggggaag gttggactgt ggatcagaag actgacgtat  420
ttttcgcttt tagccgatgc gaagaaagct gctgccgctc ttgctgcggc aggaagaaa   480
aaatgacacc tgctttgcgc cgtgactacg ctccatacct tggactgaac cttttcgaac  540
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<210> 6480  
 <211> 566  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6480

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gggcttaaaa gaggaagcg aacaaaagcg ggctgcaaag ccagagcggg caaacctcc   180
gcgaacggag gccgtaccgg aaccgcctga cagaaacatc ctcttctagc tgacagactt  240
actttagggg ctaaagcatg caagattaga actgccagat agtcaacca aaaaggacaa  300
ccgataaggc caaatgctaa accgaaaccc aggcggccgg aatgggacac aggaagaagg  360
ccaaaacccc ttttaccaag gggcctaccc acccaaaaaa gggcgtaaac ccagaaacc  420
ccaaaaaaac tggcccctat ctttggggaa aaaggcccaa aaaacaaccc aaaggccccg  480
ggccgaaaag gccccaaaaa acgggcaacc caagcccca acctgggatc cccgggatag  540

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566

<210> 6481  
<211> 406  
<212> DNA  
<213> Aspergillus nidulans

<400> 6481

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gcatgattat ctgaccgagg aggtgttctt ggcacaagcg ggaaccgggg atgatattca 180  
tttttctgac acagctggca ttatatggct gtgatggcta catgcgtgcg ggcacgaaa 240  
tgcactaacg ggggacatgc ttgtggatac tgaatgatac tactgggttg aggcgatgct 300  
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gaatgcgaaa ggcgaccgct tgacgtttat aactatcact gatact 406

<210> 6482  
<211> 553  
<212> DNA  
<213> Aspergillus nidulans

<400> 6482

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taactggtgc gggtaaaata cttcattagt cgtttagcgc atggcttgac tcggtgacag 180  
cccaagtcta aacccaact gtttagggct ccgggcagct gttccgactt cagttcaccc 240  
atggcagttc tcatactcaa ctccggggag aacttgaatt tacaggccag ttgcgcctgg 300  
atatgctgcc ttggctatgc atagcaccga gggaccttg cacttttggg ccgaccaccc 360  
acgggggaag tggccattac aaaaggggag ggcaggggt ttaggtagcg ttacacccc 420  
ggcggtgacc catggggaag accccttttg ttaggacccc cgcggtgggg ttggaaacct 480  
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gggggtcttt ttc 553

<210> 6483



<211> 507  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6483

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 accgctcggc tatacgaggc atgctcaggt tgaacggccc accggttaaa ttataagggg 180  
 cacaataact gtcgcggtga acatcagact aagtcgcata aaatatactg cacatgatcc 240  
 tatggcgctg cctgagagcg ctgccaggcg atctacactt agtacacaag tattatggct 300  
 ggccatgaag gactgtccta tacgacaggc tctaataatca atgacacctt ccaagctcga 360  
 tgcttcaagc aatcgatgga aaagaatatt ggaagatctt acaagcttag aacgacgcgg 420  
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<210> 6484  
 <211> 578  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6484

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 tggcgattag gtcgggaatg acaagaagtg ggcggataag caagaggatt caacggctat 180  
 tacgaagaat ctcaaaaatt gggacattgt tcaggatgca ccccatgagg tttggaggac 240  
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 tttcttcatt ctatcttctt ttgtcggctt ggatctttct cgcctatttc tatcttgtat 360  
 atgtctcgat tctacctcta tagcctcact tgtccttaac tcatgggagt ttgcaattac 420  
 aatgaaacct atatttattt tcttttgagc cggtttacct attacctgta tctacatact 480  
 gccccaacat ttcataggcc caaacggtt cttaactttg accacttttc aatgtcttcc 540  
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<210> 6485  
 <211> 508  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6485

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 acttaccttt gaatgccatg cgggggtgcag gttgccccag cgttgggacc actcttagcg 180  
 tggcacctgg tgtgttgaag gtctggggcc tcatattgac ctggtggcac tggaacgacg 240  
 cgtgctatgc cgctattgtt ctgaggacct gcacaaggac ggcgcatagt gccacggtat 300  
 ggaccatgct ctgctgcgct agaaacacat tgaaggcgcc aaagaacatg gtcttggatc 360  
 ataacctttt ttacgagagt gtgcattacg ggggctacct gtgacaaagt aaagaatcca 420  
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<210> 6486  
 <211> 530  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6486

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 taacatgatg agcacctgga ctaccactat gacggcccga tatgacggtc tgagacttag 180  
 caatcgatta ctgggagcca ggctatagcc ttacatggta gcactcgtgg acgtcaaaat 240  
 tccaacaata ccggccgtgc caaggggact gagggctctg acaactgtgg ccgttggacg 300  
 ctgcgcgcca aatctggctc tgggaatggt gactgcaatg gcagacacgg atcgcccttg 360  
 agacctgtcc atgattgcgc ctcacctgaa ggatatttat atggccgagc gcatgttagc 420  
 tagatgaacc agtghtaagct gactgtgcac ggacaaggcc agctctgagg cgtgcgacta 480  
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<210> 6487

<211> 415  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6487

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 cataagcgtg ggccaagaga ctgcgtaata cgagcataaa tatcacagct tgccacacgc 180  
 agcactactg ctgaactgat caacacacgg gatgcagaga tatgaggatg acagcccatg 240  
 gatacacatc caacgcgagc acaaagggat aacatgacgc cacacggttg cgatgctgat 300  
 cgacgaccac agctagcagg acacacgagc ccggacacaa gaaaccggac gacagcagct 360  
 acgcagcggg accgtaatcc actcaacgag catatacaaa gcggagggtct ctgcc 415

<210> 6488  
 <211> 509  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6488

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 cctctcattc gccagtgtg accgacacta agctgacaaa actggatacc gctctgtgtg 180  
 cgggactgta ggctgcgcag ccgatgttc ttcgctttcg caaatttaca gtgttcgcct 240  
 attcaacatt tgccatgaca tggacacctt cgcccatgcc cttaaagcat gcatctgccc 300  
 aatactcatt gaccacgac tgcacagggg tagcgagtgc tcctccagac aaggagaaca 360  
 cagccgatgt ggatgggtgta tgttctgctc agacagcgga gaccgactgt acaaccgtcg 420  
 acggagtcac gtgtatcgag cttcaccgta actggacgcc tctaggcgca gctggcgctc 480  
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<210> 6489  
 <211> 562  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6489

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 gagggcgccg acaggcatga ccccgagggg ctcaaacaag caaacgactg aacgagaaaag 180  
 gctcactaaa tgctccgaac atgcccacgg taccggaacg caccgacatc caactacagc 240  
 cgacacaacc aagcacgaag agggcggtac ccagaccggc gacagagaat actgcacaca 300  
 aagcgaagga cagacccgga agacaggaaa gcgagcaaaa gcaagagccc gaaagcagga 360  
 tgactgaggg aaagctacac aaaaagatgc ggaccgggct gaccaagacg ccccgaaaaa 420  
 caagcgcgcg aggcaacagc aaatcgccag ttcaccagaa agctcggaac agcggcaaac 480  
 ccaacgctga gaccaaaggt caacgacgaa accaccagac gccaaaaacg gaattgaacc 540  
 caaacagagg agggaagaaa aa 562

<210> 6490  
 <211> 336  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6490

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 gaactgaatg atggatgcat ttgccccgac gatcaaatac ttgatcagac agccgaaccg 120  
 gacgagagaa cggggaacga tgccgcacta cccgtctatt aaaaaactac ccgctctaca 180  
 tgggagacta cccgctgaca ggaggcgaac agggcagaga cagattaaat gctttgttcc 240  
 atactcacat aacatctata cacttgtttc tggcaaacac gatcgcgagg atccagcctg 300  
 atgatgaacg cactactgaa ctangttcca cgcaag 336

<210> 6491  
 <211> 411  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6491

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 gagggccacc gagcgggctc tataccgcgt gtccttgctg aaccggggcca tccttgcgca 120  
 caggcccga catgggatgc tgggtctcca tcaggaggga tacatgctgc ccctggagtg 180

catgtggctg tccgcgaccg atacgacgcc tgccggacgc ggcctgggct agccgagcgc 240  
 ctgtgattgc cgagcctggg accgtataca ctggtgatac accactcata tgctgatggc 300  
 gggagtatac tatacctgtt cgttgcgcgg aagatatgac ccgaacgcct gtgccacgtt 360  
 ggcatgtcta gagacatatg cggagacatc tggtagccta ggaccgggac t 411

<210> 6492  
 <211> 568  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6492

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 tcgatgctca cgctaagaac gtagcgctc ccacaggatg gaatcacccg gccttacagg 180  
 ctattgcttt ctggcccagt cacatgtata cgctgacggg cctgcattat gcaggaaact 240  
 tcattcacia tatgaataag cacctcctcc ctctggcact gctggggctc ttttcgagca 300  
 aaggcgctga agcgagcgc aatccccatc ggactggaat gaaggacatg ttatgcaggc 360  
 aaataagacc gtctccatat tacaaaagat gttctgccac ctagcctcga gagcggacag 420  
 gcttgccat tcgcgagact gaccttctta ctatgttgcc ctgcattgcc acctcgtttg 480  
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 tgctatacat gaggctttgc gtagtcac 568

<210> 6493  
 <211> 495  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6493

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 taaattctga tatgaccctt gtctgacgta ccatatactc aagcccata tgaagaattc 120  
 aagccctact tgcgcgctcc agagacatat gttccttaat accatcgctg cagttcttcg 180  
 ctacagcaac gcgttgccctt gcgcagctct cgaagctggg atggagataa aaaagactgc 240  
 tttcgcatgg gcacgtgacc ggccattatc tgaatacacc ccttatagag aacagactgg 300

cgaatgcctg cctcatggat gcagagcgct atgcgccttc ctatggaaga cacatggctt 360  
gatctgctgt cggcgatggg atggagatac tgcggctcgg ggatctaaca ctgccttttg 420  
acagctgcgc ctacttggcc atgatcacct ggagactgta aggagacccc gaacccggga 480  
ttatggtaca agcgc 495

<210> 6494  
<211> 543  
<212> DNA  
<213> Aspergillus nidulans

<400> 6494  
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ccccatggg acccctctcc cctgcgccgg ccgctttgta cctgcctata aaccggactt 120  
cccagatgc cccgaataac tctacttttg tggaccaatt cggccgtttt cagcacgcat 180  
gagcgcttgg ctggagcgct tgactatgag gcatctcctg gtccaagctc tcgcggatag 240  
cggcttgaac actgcttgca cggagaagcc ggagcgccaa gagaaagctc gagatggact 300  
acaacacatc tgcgcgcaag aagctgaaac attgcttgaa tgagctagag gactaccgcc 360  
gtatcacggc ttacatgac gctcgtctc aagcgcacac ggtgctataa cctgcggcaa 420  
gaagcatatg aacactgccc tacggaccgg agacaggaca gccattgcat agtactgcat 480  
gcctgtcgac acgaatagca agctacgatg cccaaaacca tactatatct cgtgggatag 540  
acc 543

<210> 6495  
<211> 508  
<212> DNA  
<213> Aspergillus nidulans

<400> 6495  
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ctgactatag tgcatcacac ttaactgact agacctgtag atataagacg catgcactaa 120  
caggagaaa agctcagact caactgacgc tactactgac atgccagact gagaatccgt 180  
atgattgctt ccctcgctgg acgcaccttg cccagcagat agcgtatgtg tgaaagctct 240  
aatgtgtgtc tactcaagta aggtgtgatc catatggtcg cgctctgcga tcactacctt 300

atcgccagcg gccttatgct cgagcgacct tcgccaacac gcactctgag gatctgctgc 360  
gctccccatc cattcgtcca ccattgtccgt atcgcttatg cacatccatt catagtctct 420  
gggtgctacac ggccatgggtg ctggtgaacc atgctacagc tgtccgatac catcttggat 480  
gaactggctt cagagttcca acaaccgg 508

<210> 6496  
<211> 135  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6496

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gcaacgcggg ggatg 135

<210> 6497  
<211> 572  
<212> DNA  
<213> Aspergillus nidulans

<400> 6497

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acctaacaaa tcggggagct tttatagaac gcaccgtgat tgaaaaacgg aaactcgaga 120  
atgccgtacc aattatggga gtgcgcatag gactctgggt aaaatacaag gcaccacaaa 180  
aaggatcaag agaggcccca caagcgacac ttgacgtatg aagaacacaaa actaaaccgc 240  
tctgtagaat cacatgcagg gcgggacgag acactatgaa caaacaatta tggccccgaa 300  
cccgtgatga tagtacaaca cagcacgtgc cttacctta ggtactatca ggcacaacgt 360  
acacacattg tggctgacgg tattaataaac actggccagg agaactagat aatcccatgt 420  
tgagaactcc acaggcaggg caactgcca agctatgctc tggccacata tctgaggtct 480  
acagattata taccgcgccc cccgactcat gttcaaccgg tacaatttgc gagctcctgg 540  
cactaagagc gggcacaact caacttaact tt 572

<210> 6498

<211> 515  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6498

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gtgacgacac gccatcctta cattaataac cacaatgca atgggcattg caagagtaca 180
gcgcgactca tgcgattatc ttctgagcct acgggtctta cactgcgaac gtgtggggcg 240
cgaattcacc aaggcattag gtgccccgtg gaaatggtct agagcgtctc cattccattt 300
acaaagtggc ggagaccaac aataggtgac caactggcat accatccgaa atggtgattg 360
ccattgccgc tatcatggtt ctgggagaaa ctgacgacgat acaacaggag tcgggcatca 420
tggcgcatcc acctcttgat cagttctcaa agcatgacga acacaccgtt gacactacca 480
ttacgttaat tgacgacgat gtgggcacaa attcg 515

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<210> 6499  
 <211> 493  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6499

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gctaacaacc taaccatgct ggtacgcagg actgtcctag cggacaggga ccatctgacc 180
gaaagatgag aaacgcgaac atggacttct acgtcacaga acatctacac cgtagccgtc 240
caactggtcc atttgatggt aagcacatgc attcaaccgg attggacaac ggggagacaa 300
cagaccataa cccacacgca caccaagagc atcagaacac ttccacacca acatgggtca 360
cttcacaag acacgacaca catgtgccgc atgagtgacc ggacgcaacg cgcttatcga 420
tgaggaggga tacatgtgtg caccacagcc accaccatag ccacagtcgc gtcgcagacc 480
gtgacgatct gag 493

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<210> 6500  
 <211> 566  
 <212> DNA



<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6500

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tcaaacaggc cccccacacc cgcctaacct atgcaaaaga cgccaagtac cccaagaata 180  
ccgactgaat aggggggagaa tcgaaaagaa agcacggaaa aacacgcaaa acacacatac 240  
aaccctctac aacaagaaga acacccttgg acacaacaaa agacaccagt cactaattga 300  
agcatgagaa atacagcaac ctccaccacg accaaccaac gaaccaaacc aacataataa 360  
cataacaaca cccaaagcca acatgccagg gacgaacaac caccccaacc acaaaccgac 420  
caacaaagcg ggcaaaccga ctcaacgggc ctaacaact gaaatacgcg cacaaaaaac 480  
aaaacaaaaa acgcaacccc cttaacaaac caaaactacc aacccccaaa aaacaacgaa 540  
caagccaaac ccaacaagca ccacaa 566

<210> 6501

<211> 571

<212> DNA

<213> Aspergillus nidulans

<400> 6501

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ctaccgggta ttttttaggg gacggtacag atccactctg aagttcaaca aggactcatg 120  
gggctatggc gaaaggaacc acggtcatct gatgcaatgt caatggcagg caaccactca 180  
gcgtacacga ccgatcgggtg ccgtcattgg cgcaagttgc gcaggaccta ttactagctc 240  
tatacgacct aggggaggag ccggagaagc tctcacggcg ctgaatgcac ccatgttcac 300  
catctatata atgcacacca atgtgatgac acatgcgcac ctaacaacgg actgcatacc 360  
aggaaacata ttgcttgtca gaagaaccat tctactgatg ggagactgtg cacatgatag 420  
agacagggtc agttacacaa ctgttaatta tgctcgggac acatgcagac tatcaacgtg 480  
gggagcatca ctctaatac cactaaagcc cacgcttcgc attacagcgt ttaaattggg 540  
ggcacacggc tgaggagcgc tggttacaag t 571

<210> 6502  
 <211> 574  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6502

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ccatgcatag actctgtgta caaagccgag gatgcaacga gcggagaacg tcaaagcctg 120
tccagactaa ccatctcttg cegtgtgcc agtaacgagg actactgaac cacatgacgac 180
cacatgctac gatgacaggg attgaccacg ctggatcacg accatgacca ccaacgggat 240
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gatgataggc gccgcctgga agaaaactca catgcgagcg ttaacatatc ccaatacgaa 360
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atcgaggcgt tgagtaacgt gctatatcca cactccgacc ttagactgag atcttgatta 480
gaccgtgaac aagcacacaa agagtcacat acctgatcat gctgtacaga ctacagacgc 540
caccgttcct gacgatatcg catggcttag acgg 574
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<210> 6503  
 <211> 615  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6503

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gaacatggct gggcccgac tcgtacatcg cgtgactacc ctaaatagcg tgctacacat 180
gccactccac actggagagg caccgggat caggctttct gatggcagac tgatggccac 240
atgccccaca gacgaagctc acagatcggc tggctctgct tgccatctga gacctgggag 300
cacagagcct ccagatggag cataactgat tactcatgca aattgggcac cctaagagct 360
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gggaaaggaa ttacgccact tccatcataa actggagtgg cgcctgcaac ctcacccgtg 480
caccaagcgt tgtggcacct ggccagccat gaaaagactc tagagcatca ttactgaagc 540
cagggggggc ctgtcaccgg aatcacaagc ccctagggcc cctgcctgtg gtcctaaaaa 600
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615

<210> 6504  
<211> 655  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6504

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acaaaacaga gcgggggggag gaaaagagac aaagaaggac ggcccagcac acaaagcaag 180  
aaacccaac aaagaccaac aacaagaaca aagcgcaagc ccaaagacaa cagagaagcc 240  
agaccacaa caaacgcggg accacagaaa aaccccgcca gccaccagc aaccagagga 300  
gaaacgaagg gaagaagggg gaaacacgaa cgaaacgaac acgaccaga gcacaaaagg 360  
aaaaccacca aacagacaag ggaaccaagc ccaaacacg cagccaaaac aagaagccag 420  
aggcggagaa ggcaaaggaa gaacaaggga cagaaaaaca ggaccgagaa gaagaggaaa 480  
gaaaaaaaaag cacaaaagcg aacggggaag gcgaaagccg gaaggaagag gaagaagccg 540  
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aaaagacaga aacaacaaga ggaacggaac aaaaacccgc aaaaagaaga aaacc 655

<210> 6505  
<211> 795  
<212> DNA  
<213> Aspergillus nidulans

<400> 6505

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gtattccttc tttgtgcagg gctgacggac tgaggaccag tactacatat gtatctgggc 180  
tggctgtgtg gggccaaaca cctgactttc aacgttctat gattttatca tattggacta 240  
ctgggaccct acgattgatt gactccggct atagagacct accgtgaggg aacaacctgc 300  
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ctccggacgt ttagagtccc tctgatgcg tacgacatga cagagtgtat agtggccctc 420  
cggacaagta tgactgcccg cttaaattctt ccatatataa attgcgctga cagacagggt 480  
cttgtttacc atcatgggac tgcctagata cctctcatca caagacctgc atatgattga 540  
agactccagc cattcgcgtg gcattctggg aaactggcca cctgaatgtc gctccggcat 600  
gcgaaaatag gctgtgactg atggagcgag acccgctat aactgcttgg ttgaaactac 660  
ggggacttaa tccccaatta cccttcttac cagtgtcaaa gcaaagcggg cgtaaaaaat 720  
tcccgttatg accaccaat ttttttagtg gacttgagct tttggccttc gctaccaagg 780  
cattcttggg ggaat 795

<210> 6506  
<211> 396  
<212> DNA  
<213> Aspergillus nidulans

<400> 6506  
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acaactgtta ccgaggcatg atgtggaggg ccacagcac gcctgggtccc aaccaacaga 120  
aggccaacag ctctcacagc agacaactga ctacgatgac aaagggacca cgagggatac 180  
cttgatgac gccacgcccc ccggtgtggt gagaatcacc acccgaccct agggtcggtc 240  
ggtcatgacg aactatctac catgccaata acaaccgcat gcgcataaac gtgaatatgg 300  
ctaccatgaa cagccacatg atctgtaact atatcaacag gcgcatgtac gacgaccgga 360  
ctgggtactg cctggctact gcagacgacc gtgcct 396

<210> 6507  
<211> 653  
<212> DNA  
<213> Aspergillus nidulans

<400> 6507  
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ctcctgggga tcaaccgaca tcgacgtctc aatgaaggcc ttgtcgagga aaggaaactcg 180  
cgcctccaag ccccgaggctg atgttgactt gttggctctg aggcagtctg ccaagtgcag 240

gttctttaca cgtctaacgg tttccttggt gaactcctcc ttgttgggtg cagcatggaa 300  
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 aagtcccttg atcttccggc taagcaggta catgggggtg gacgcacgga tagtggtcac 420  
 atcgtatgtc tccagatggt agataacatc cgatagggcg ttgagaccat cttcaatagt 480  
 gaaagtgagg gcgtggtgct tggtttccca aaacttaacc acctccatgg cagccctctg 540  
 tgtcgggagc accagggaga cccatggaaa aagattgcag cttgctgaag gaggttacca 600  
 gaaaaagctc gttctcgccg cgaaaccacc agttaccggt ggctcgttt tga 653

<210> 6508  
 <211> 744  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6508

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 caaccagag cccaaggcg aacgcacgga gaaccggaac cggaacaaga cgcaaccgag 180  
 cccgccggac aaaccgaagc gcgggccagc cgccgaccgc cgacgggagg aaaacaccag 240  
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 aacggaacga cacacaggag gaacaacaag aggaagcagc aaggaacgan nnaccccagc 360  
 aacccaacc gaaaaggcac cgccccggac caggcaacgg aaccaccaac agccccggga 420  
 ccgaccgaa cacgaacacc ccaaacgag aacaaacccc aaggacgagc accaccaag 480  
 aggcacgaaa acgcccgaag gcgcaagggc ccggaacaca caaacggac caagagaaaag 540  
 gcaaaaaccg acgagcacac caggagacac acaagagcca aacgaacccc ccgaacaacg 600  
 cccccgccc agggcaccga ccacaaccaa aacaagccaa caccgcaaga acaccaggg 660  
 gaacgaacgg gcacaagccc accaacgaca ccaaacacg aaaaaggcca caaacacag 720  
 ccccaccag gcaagaaaaa gccc 744

<210> 6509  
 <211> 671  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6509

cccacaccga caccanaaca cacaaactac accacacaaa atcacaagac acaaccaaaa 60  
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 ccggggcgcg cgtactgacg acgaccctgg gngggccata cacagaaaac ggcgagagaa 180  
 agacacanat tgttaccgac cagaccaggc aggaccaacg aggggaccca agaccccaac 240  
 caaccgcagc gaaaacgcaa cgcgccgaaa cagcaciaaag ccgccggcaa cgagcaggca 300  
 cagcaggaaa agaccacacc cggccacncc agcaacgggc agcaaacggy cccccaccac 360  
 gagaagaagc agccgcaacc ccacaccgag gaggcgaaca ccaaggagcg agacaggcac 420  
 acggcgggcg gccaagagaa cgaaacagga cgccgacagg aacaacaacc gcacgaccga 480  
 cgaccaggca aacgcccacc aagacgccga aaaccaaagg gacacaaacg acccggacaa 540  
 gaacggggca accccgaccg cgggaacca accgaacccc aacaccaaca ggaggagccc 600  
 caggccgagg ccacgcaagg gaaaacggnc aaacacagaa cccaagccg acaacacccg 660  
 gaaacgggcy g 671

<210> 6510  
 <211> 978  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6510

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 agtactatgg acgaaaagca agaactggga ctctcgatg tcagttctct atcgcccgcc 120  
 ccagagggct tgggccagtc gcagcaagcg ttgacagtgc cgccactaca gccctagat 180  
 gaaccccagt cgaccaaggg cagcctagaa tcattcgcaa ttgccaccta tcggtggctg 240  
 caggagacgt ttctacggg gacggcggtg gtctcacata tgcctttctc acttggtccg 300  
 tttgcgtttg ctatgttcat cctcgtacaa gctctggcca ctaagggttg gattgaggtg 360  
 tttgcgcacg ggtgggacca ctgggtaaac cgaacaggta cagtcggggc aattggaggg 420  
 atgggatttc tttccgtcat actttgcaat gagagcatct ttgagctctg aatttacttc 480  
 atactgacct gtattagttt gccgggacta acatcggcac gacaatcctt ctctcgcgcg 540

tagtgcagac ttggcagcga ctctcggga ccatggcata cccattagcg aacgcacatt 600  
 ctgggctact gtttacagca tggcgctagg tgtcaactac cgcgccttta gcacggcctt 660  
 agtgcctttt tgcgggccta ctatgcgcga tttcctgctg gaaacatata acgttcgagc 720  
 ctggatttgc caggggaacc acctatcatg gaatttcatg ggggtgctgc catacagggg 780  
 gtaggttata atggcaaacc tccgtcataa ggacgaggtt tcccgcgggc tttggggatc 840  
 acgacacaca gcattatttg gggccaaacc aacctattgg cgggccctaa tcggcgggccc 900  
 cgtattgccg gtagctgaca aaaccacctt ggcaacgggt ggctccaac caaggattgc 960  
 cctggagttc ctttttag 978

<210> 6511  
 <211> 916  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6511

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 tttgcttaaa aaaagatggt atgaaattta ataatggct aacaccaatt acagtgcgga 120  
 aaaattcaga caaaaaagct aactcgatcc cagttgcaag acggcaaccg cgttcattgg 180  
 ttatgaaacg gtctatcacg cttagtgtt cagcttcaag catcagtctc acctaggcta 240  
 caaacttcac actcaccttt cggatgttag gcataatagg attctcagta aaacccatga 300  
 aagagctgac gctgtgccta ataccatggt ttaatctgcg ttggacaata tgtccctatc 360  
 gctcatggcc ggttgttcac agctaaggcc ggaatatata tacagttggc cagcggatgc 420  
 attcagggag ccatcgga aa gttgttacca aaataaagct agataagtct tctatattga 480  
 tactcattgc aactgcttt atccattatt gtttagttac agtaggcttg ctgcgcactt 540  
 aacggtaacg gtgacactcc ggcaactctt caccgcggag gggctgatga catatcgaga 600  
 tccgaagctc tcgagctgtc aacatcattc ttctcccaac ttttttctcc gacataaact 660  
 ctaactccgt cacaatggga tcccctattc acatctctc taaggagcaa ttcaacaatc 720  
 tcctgacctc ctctacctc gttgtcgcag actgtaagag cctccctctt tgttgatccc 780  
 tcgcctctgc tcttcgcccc tcttctggcg aggcccgcca tctctgccag ctcaagtgag 840  
 aaaaaagact tgaagaatcg cgtctagttc atgccgaatg gtgcggacga gtccatgcga 900

taactcctgt ctggta

916

<210> 6512  
<211> 625  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6512

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ttgcgccgcg gcacaacgca ccagacaggc ggggagaagg aaaaggagcg gccggaaagc 120  
aagaggacag caccggagac cacaggaccc cacaccaacc acccagacca aaccgacgca 180  
caccgggcac gcccgcggcg cccgagacca cccgcagcac caagaccag gaaacaccca 240  
ctcaccaagc aagcaggagc cgcgacaaga agacggagcc cgccgaagaa ggaccaaacy 300  
cagangcccc acccccgccc cgaaaaagcg ggcacaccaa cggccaacca caagcgaagc 360  
acgcccacgc cgccgcagac cgaaggccac accacggcac ccccgaccac aggaagaacy 420  
cggcccaggc cgggaagaac gaaccaacga cacacaggaa cgaagcagac aacaaagcaa 480  
cagccagaca aaccgaaaag cccgaagaac cggcaaaaaa acccccccg caaaaacaacc 540  
ggcgcgcccc aaacacaccc acgaacgcca aaccacacgc gaaacgcaac aacggccaac 600  
accccaaacc ccaccagacc ccccc 625

<210> 6513  
<211> 569  
<212> DNA  
<213> Aspergillus nidulans

<400> 6513

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cgaggttatt ttcttgatta ttctatcagc gctcaacgcc actccaacgc cctcaacaac 120  
tataactgga aagtggcgag cttcaacaag ggaggtatat gtgctacgac cgcgtaagct 180  
tccgtgtttt gcaacgaccc tgaacattc ggcgttagtc cgtggccatt cgttgactag 240  
tcgaacggtt cttatacggg taactgttct cgtatgctat agagtcaccc gccgtgtcca 300  
aatgtagta tcaactigac tcggttgaga ttggtagtgc atcatttggg tgatagggaa 360  
gtgatggtac agttggcagg cgactcatgc ggaccttccc acgatgcaat ggtgaggtac 420



agggaaggcg cgggagggca acgatacctag gtgatctgag ttctagttga ctggcacatt 480  
 tggccttagt cctagaacac atcaaatgct ctgcagagtt agcatacagc ttagtgtcct 540  
 cttagatcag atcatcgcac atacagctt 569

<210> 6514  
 <211> 448  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6514

ccataatact actcactata ggccctcagcg agcctgccat gcaagagatt attaaacacc 60  
 aagctgcgac gccgttactc aagaggctgc ctgtagactt agtcatggcc actcgaggta 120  
 tgacaacggt gaccagggag tccctcatta cctagattcc tggaggatga gaactgttat 180  
 cgcatacat atcatactga agacgtgttg agtgataagt ttgacactg atgagtagct 240  
 tatgtgcttt cttctaggca tagacctgga cgtctcttga tgctgcgctg ggctcaaact 300  
 gaagctacgg atggcatctg aactagccc tcgatgcaat gctgaatggc tagctcgcat 360  
 actggagctc taagataggc tcatagatcc gtggatgctc tatgctagag cgaggctaca 420  
 ggggttcggg gccgcgatct agaataata 448

<210> 6515  
 <211> 780  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6515

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 ggctactgac gccaatgtg caggtaaaca atgagtgttt tcgatactgc tcgtcttgga 120  
 gcatacgagg ttacaatgta cacgttgctc gaacttggcc cagtaccgca acaccaaagt 180  
 gctttgcccc cgtcaccgcg aatcgtgatt gaaattatta tggggcatgg gcgggatatt 240  
 attccaagga gcgaaggact ctaccgaagc cgggccagat ctccactcct cgatctcact 300  
 ttcaccgggc tggctgaact tgtaggctgc tccagcctcc agcctccggt ctccagtgc 360  
 cagccgcaaa gagagatctc gcgtgtggac gttcgcattt caggaacggg tccctagcgg 420  
 ctggattatg ttttggctct cgattaccga ccggttcatt ggacaaggaa caacggggagg 480

cttccaaggg ttcccaaggg ttggtgcccc ggtaacgttt cctcaacaaa taaaacatat 540  
gctgcttgct ttcatatcgg cagatttggt actcgagatc cagccatgtg ctgtgctcgg 600  
cctgtaccaa ctatcatctg ccgaaagaac gggctacgcg ctgcgcgagg aatctgtgcg 660  
gtgcgacaag agcccgggtg ccagcaaaat cacaataaca acgtccgaga aaaatcgtga 720  
gtatgtggca gcaattaaag acctactccg tattcattat tccggccgcg acatgggtct 780

<210> 6516  
<211> 531  
<212> DNA  
<213> Aspergillus nidulans

<400> 6516  
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gttatacact gctgaggcca caacctacag gtaagtagcc gtcagggccg gtacctatgt 120  
atccagtcac actctccgtt cttccctcgc attcctgact caatagtaac atacttccga 180  
ttcccttcga caacattctc cttcatccag ataagtctgt caagaaccgc atgcgaagaa 240  
gcatgtgaag aagcatacgt ctgcaccaat ctactgtgc cctcgggctc cggcataccc 300  
gcctccacgt caaactctgg aagtgtcgca aagagctcct gaatggcctg tggcccaaga 360  
tcaacagtaa tgggtagatc agccaggacc ttgatagggg taatcatctt gccgtactta 420  
ctagtggggt caacgtcccg cttgacgtga atttgatatg gtgcccgaatt ccgccccgat 480  
actgcttatg atggaaggta aatccgggca aaaattgttt tccaatggcc a 531

<210> 6517  
<211> 590  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6517

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accgacgggg ggggggcaca aaagacgggg cggccgcgca caacaaaagg gagaacgaaa 120  
caaaagaggc gacggacagc gcgagcacga aagccacgaa aggagcagaa gggggaaaag 180  
ccacacggcg cggcacaggc cgacaaaaca gccacgagca aggagcggaa ggagccgaca 240

cggagaaaaa cggagccagc gcagaaacag gcggaacgaac agaaagagaa agaacggcgc 300  
 cacgagaaga accagaaaca gcagcagacg gaggaagcgc caacagcagc gagaaaaaca 360  
 gacggaggag aacggggcga gccagaacaa gaaaggccaa aacaagaaga acgagcgagg 420  
 gcgccaaacc cagaacaccg aggggaggaa aaagacaagg aagcacagac caccctaaag 480  
 aagcgaggcg gaagaacaaa acggcccaaa aacgacaaca ccgaacgaaa aacgaacaca 540  
 cagaaacgac gggacaacac caggaaggaa gagcaaaacc aggggaccga 590

<210> 6518  
 <211> 541  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6518  
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 aaaacaggca agggcccacc gcaaccggaa cggaccgaag ggggaccggg agcaccacgg 120  
 gaaaacgggg agaaaacaag gggacaacag cacggagtag acggaacaca ggacggcgaa 180  
 gcacgagaca caccaccca gaacagcatt gagaaccaa atggccacct ggacacgcac 240  
 gaggcagaac gcaagagaag gagacacaag cagcaagcaa gatccgcca aggaggacgg 300  
 aaaagacgga acgctacaaa gaccccgaag gcagaaccac acagggacca agctacacga 360  
 aaaacgaaag ctccaggcca gctgaaccga aaaccacacg atgaaacaaa accaaggaag 420  
 acccgggata caacacacca aaggcggaga accacacgca tcactacaca aaagcaaaaa 480  
 actgaagaac caaaaacccc aggaagaaga gccgccagaa acggcacaca agggcccaaa 540  
 c 541

<210> 6519  
 <211> 509  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6519  
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 gaagagcgaa acggggggat agaacgaaca acggcccccg agcaggaccg caacaagacc 120  
 aacggagaag acgcagcgaa acgcagacca taccgcaaac aacaacggcg ccaagggcca 180

aaacgacaga agagagagac caggtagaac ccacgaccag aacaacggca cataacagaa 240  
 ccgacggaca aacacgacac gagcaacaca acagggaaag aaaaatagaa cagaggaacc 300  
 cccagaacag aagccacaaa aaaagcgaaa caagagagca acggactata gcgcggctga 360  
 cgaggacccg acccaagaca caacggaaca gaagagggga acagggagcc caaagaagga 420  
 agcagcacgc cagaaccggg aaacggcaaa acggcagacc acaaaaaacc cacaccaaaa 480  
 cggccgaggc agggcaaagg ggaaacaac 509

<210> 6520  
 <211> 609  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6520  
 tctcgcgatc caaccgtac tatatcgtgc cgcagggctt ttgtcacttg ttcttacaaa 60  
 tatgaaggat tcgggggagg gtgaatcttc taaaggaagt tgcagggacc caagtttacg 120  
 aggcacgacg tgcggagtct ctaaaaatca tgcacgagac gaacagcaaa cgggagaaaa 180  
 ttgatgagct attagatttc attaacgaac ggctggcaga gcttgaagag gagaaggacg 240  
 aattgcggaa tttccaagag aaggataaag agcgaagggtg cttggaatac acaatctact 300  
 ctgcgcgagc gcaagaaatt gctagctttt tagacagcct cgaagaacag agacaaactg 360  
 gtgtcgagga tactgacatt aatcgcgacc gtttcattca aggagagaag gaaatggccc 420  
 aggtcgatgc agagatcgcc gagtgcacaac agcagattga atttctcaag gttgataaag 480  
 cacagctgga agacgaacga cgcgaggcgt ctaaggcact tgctcaagta gaactacaag 540  
 ctaagtcgct gtcggataat caggctgctg cccaagagtc aaaagcacgc catgacgaaa 600  
 gcttgaagc 609

<210> 6521  
 <211> 716  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6521

catctggacg taagcaatcc agaggaagtc aacgggctac tcggaactct gccgagcgag 60  
 ttcaaagagg ttgatgtttt ggtcaacaat gcgtgcgttg cccactcccc ttcttgccca 120

aaaattacag ataaaaccgg gaccacagcaa ggctagatgc tgattgtcgc gcagaggctt 180  
 ggtcaagggt gtcgcccgcg cccctgaaat tgctgaagag gacatagcca ccatgtttctc 240  
 cacgaacgtc cacggcctca taaatatgac ccaagcaatc ctcccttcca tgctatcgcg 300  
 caacaacggg cagggagcag gagatatcat caacatcggc tccatcgtg gccgcgagcc 360  
 ctacgtgggt gggagtattt actgcgcgac gaaagccgcc gtgcgcagct ttacggaggc 420  
 tctgcgcaag gagctcattg catccagggt gaggattatt gcagtagacc ccgggcaggt 480  
 cgagacagag ttttcggttg tgaggtttta tggggataag agtaaggcgg atgcggtcta 540  
 tgcgtgagtt cacacttccc ttataagggc aggaatctgg acaagctggg agttgttggc 600  
 taacaactag atgggatgta gaggatgcga gcccgtagc cgggatgata ttgcagaggt 660  
 gatagtgttc acggcgagta agagaaaaaa tgctgtgtg gcanatacgt tgggtta 716

<210> 6522  
 <211> 564  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6522  
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 gtgcttcgcc ttgcttcgtg cggccgggtc ctgttccttc tttctttcct gtccttatac 120  
 tactttctgc tgcagttcgc tgatccatgt atcagcttct ggagcagggc cgaaatctgg 180  
 ggcacgtgct tgcgcggcca gctcgtaaata aagcttcgca atgctcatga tgtcaggtct 240  
 gtgtgctggt gtaaacttcg ctggtgagga ctctgggtt ggcttctgtg aacaattggg 300  
 ggaggagggt gcctccatag gttcggccgt tgccttgaca gatgatgcac gcggactgcg 360  
 gtgccgccgc tcggattcaa acgactctag agctcgaata gtcggttttc gcgtacgccc 420  
 agacgtacgc gcggcggttg aggtggtcgt ggacaggctg gtgggagaag tgggggcatc 480  
 catgtgacca tcaagaccat agttgttccg gaacatgtct gtatcgtatt cgaaatggta 540  
 atctccattt tcaacatcgg cggg 564

<210> 6523  
 <211> 1132  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6523

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tcctgtaatg caatacagta agcttcttgc attcattttc gccataata aactgctcaa 120  
tgcatagagg gcgggatacc aggcattcacc gaagttcatg gccccagac acagcggcga 180  
cactttgacg ccagccgagg gggagaggac tcggtggtag ccaaggaggg ttggcggttt 240  
cggagctgga gggaacatgg acattttgag gagaaaatgt tatatagtag atttcaggct 300  
aagcacaatt gacaataatc aatccttatt actctacggg gggcattgct cgtttttata 360  
atgacgacgg ggtgggcccc ggacggacga tggctaccga ggtatggtac accacagagc 420  
aacgctaaga gtatagttag atgatgagaa ctcgaaacca ccgcaagttg atgaccgatc 480  
tccatcacct tgggtggcga agggtagagg gccactgta gctccggcca ctgaaaaatg 540  
tagaacaatt actataccga aggactcgcc aaggagcga tcgtcagtgg cagaccatgc 600  
gggggtaatg gctatcgtaa aggcattggt caattgcact aaactgctta ctgtggatac 660  
aagaaccgga gttgagatcg gagttttattc ctacggacat aagaggcctg cgatctgaaa 720  
gtcatcatga tgtaactgta cttatataat agagacagtc tatcactgtc tatacaaaaa 780  
atgcatacgc tctagccagg aatataacca tttgccccat aaattagtta acatccagtt 840  
tttcgttggg gggacatgcc ttttcacaca atgtttaaat tttaccctct tcttgggaaa 900  
cggggaccgt cctcctaaaa tgaaaccggg gtacggaacc cctccacctt aaacatttga 960  
aggcgaatth ttggttagga agtttttttt ttaaaaggac cccccccca tgggtggcccc 1020  
tccttttttag agacccccct ctctctcccc ccgggggggg gaaaattttt ggggtcccccc 1080  
ccccctcttt tatttttggg cccctcccc ccatggggg gggaccacc cc 1132

<210> 6524

<211> 505

<212> DNA

<213> *Aspergillus nidulans*

<400> 6524

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ccctggatth gaaggagggt gaaggagtcg tggaggcgaa gaagctcgag aagtatgcac 120  
ttgaccgctg atccgcgctc aacctggag gctaactgtg tttcaattag ggaacgctcg 180

gcagcccga tccaacttat ctccgacctt tgcgacttga cggttcccgt ttcagctatc 240  
 gggctcgcaa acctcgacga tggccttggt ggcacgctg gtacaatcag cagtttgatc 300  
 ggtgtgtgga gtcaatggcg aaagaccgct taaacaccca tcgaaatgag tggctagaga 360  
 tagccttggt atgactggct tctaaactgg ttcttggggg gtattttccg tcggcgtcaa 420  
 aatattcacg tcgctagtgc tagaggggat gcacctggga tagcctgctc tgcttgacaca 480  
 aatgcttgga aggaggaata ggcg 505

<210> 6525  
 <211> 774  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6525  
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 cggcgggata attaaactaat accggtgctc aggcgcgttg atttgatata ctagttggct 180  
 cagcataaat cagcttgaag gtcttgaacg gcacgctat catgagataa cgtgtaactt 240  
 gtccgcttat tatgatcatc tgttcgttgg attgctcttt gtctcttat cctgggtcca 300  
 ggaccaggat ttgggcttct gaaatgaatt ttgtgttgct tagtccatta tctactagc 360  
 acataatcta atatctgggt tacggtcagg acagagagac atataactaat caagagctaa 420  
 gcccgagttt gaaacagtca tagagaactg tggaccctat tggaaggctg gcacgttgta 480  
 tacaaccata ttgtatattc taggaaaaac tactctagat tctgcctcta gttgagaagc 540  
 cagtaaaccg gatggcagct gtcaccatgg tagtatctca atatcaattg agccgaatga 600  
 atgaatcaag gagctcctgg aatggtagcg tctttccata tcagcaaacg accggtcaac 660  
 gcagtcatca tgcactctca agtctagact tcggcgacag acctagcatg aagggacggc 720  
 tgaattgacg tgcattttac ttgtctcggg agccggcttc tgcgtaccac cagc 774

<210> 6526  
 <211> 724  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations

<400> 6526

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cagangcaaa ccanaccccn agacaaangc caaccacgaa ttgatacgca cgaancncaa 180

aggacagcag ggggaggaga gagccaacaa gcgccccgaa cccccagac ggaaggaggc 240

aagacaagcc gggccaaaca aacggggccag agggggggcg aaagaggacc agcaggaggg 300

gcagcaggcc cagcaaggac acgcaacgaa gaagccgaag gcacgcccgc gcgaggaaac 360

gaccagggca gcacaaaggc cagacaaacg gaaccaaaca aaanncacac acagggaggc 420

acagagaccg acaaggacac aaaaaccagc gccacggaac aaaaaaacng acagcacgca 480

ggccgaaggc acgaaccaga ccgccgacaa ggaaggccca aaagaccca gagggggcgg 540

gacaaaaacg gcgggggaaaa aaggacggcc aaaaggcgca acaacaagcc caaggggaaa 600

caaaacccgg accaggcgaa accgcggacc aaacaaagaa aagaggccga agccccaaa 660

ggagaaacag ccggccccca accccgagga acaaacagac cggaaggaga aaaaaccca 720

gccc 724

<210> 6527

<211> 491

<212> DNA

<213> *Aspergillus nidulans*

<400> 6527

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tagaccgttt atcgcccaac ggcgcttctg cccatacct acgtttctgc gctgtcgata 180

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